

# Converting Colors

XYZ(88.3624, 90.9846, 93.2301)

Have a look what the booklet for  
XYZ(88.3624, 90.9846, 93.2301)  
contains.

<b>XYZ(88.2782, 90.8787, 93.0093)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(88.2782, 90.8787,  
93.0093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2ED
RGB	255, 242, 237
RGB Percent	100%, 95%, 93%
CMY	0.0000, 0.0510, 0.0706
CMYK	0.00, 0.05, 0.07, 0.00
HSL	17°, 100%, 96%
HSV	17°, 7%, 100%
XYZ	88.2782, 90.8787, 93.0093
YIQ	245.3170, 9.3530, 1.2010

# Conversions

## Conversions Part 2

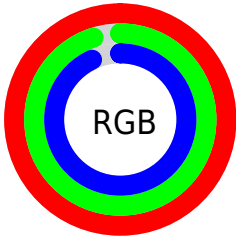
Format	Color
R <sub>Y</sub> B	255, 244, 237
Decimal	16773869
CIE Lab	96.36, 3.53, 3.96
CIE LCh	96, 5.301, 48.299
Yxy	90.8787, 0.3244, 0.3339
Android (android.graphics.Color)	4294963949 (0xFFFFF2ED)
YUV	245.3170, -4.1003, 8.4920
Hunter-Lab	95.3303, -1.5327, 8.8848

# Details

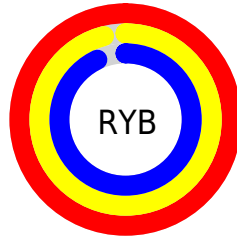
The XYZ color **88.2782, 90.8787, 93.0093** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1598, 93.5933, 108.0792**, and the grayscale version is **87.0748, 91.6095, 99.7627**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.1881, 50.4598, 50.8633** is the 20% darker color. If you saturate the color by 10%, you get **79.6082, 79.0830, 73.0270**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

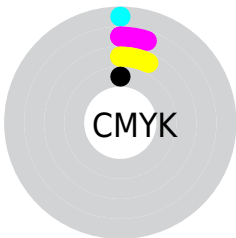
# Distribution



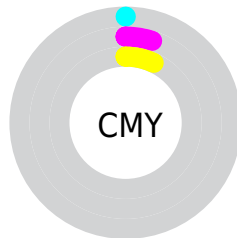
- Red (100%)
- Green (95%)
- Blue (93%)



- Red (100%)
- Yellow (96%)
- Blue (93%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2782, 90.8787, 93.0093 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 88.2782, 90.8787, 93.0093 by changing the saturation by 10% instead.




 88.2782, 90.8787,  
93.0093

 88.2782, 90.8787,  
93.0093


510.7356,  
530.8851, 558.5928

 66.8850, 68.7097,  
69.8915


143.8350,  
148.5583, 153.4833

 49.2616, 50.4753,  
50.9618


178.7293,  
184.8377, 191.6766

 35.0424, 35.7912,  
35.8017


218.8547,  
226.5894, 235.7322

 23.8622, 24.2730,  
23.9926

264.5765,  
274.1977, 286.0686

 15.3556, 15.5362,  
15.1160

316.2602,  
328.0470, 343.1043

 9.1573, 9.1966,  
8.7533

374.2710,

 4.9018, 4.8696,

388.5217, 407.2579

4.4860

438.9744,  
456.0063, 478.9479

■ 2.2240, 2.1710,  
1.8956

■ 0.7553, 0.7041,  
0.4899

■ 88.2782, 90.8787,  
93.0093

■ 88.2782, 90.8787,  
93.0093

■ 79.6082, 79.0830,  
73.0270

95.0500, 100.0000,  
108.9000

■ 71.9791, 68.5573,  
55.8945

■ 65.3522, 59.2618,  
41.4825

■ 59.6838, 51.1504,  
29.6496

■ 54.9270, 44.1741,  
20.2415

■ 51.0304, 38.2803,  
13.0871

■ 47.9371, 33.4117,  
7.9928

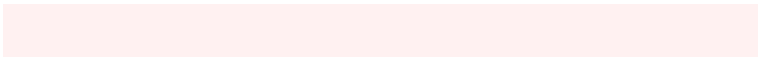
■ 45.5823, 29.5054,  
4.7316

■ 43.8876, 26.4894,  
3.0152

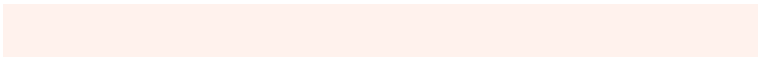
# Harmonies

## Analogous

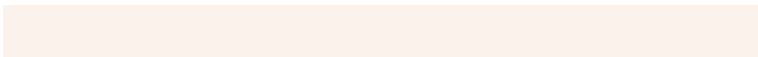
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0986, 90.8787, 96.4227



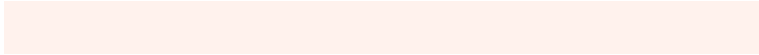
88.2782, 90.8787, 93.0093



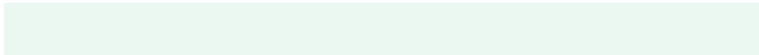
86.9540, 90.8787, 91.2080

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2782, 90.8787, 93.0093



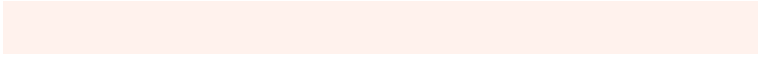
83.6296, 90.8787, 97.3131



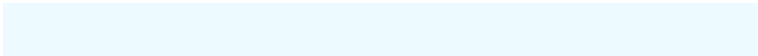
87.2711, 90.8787, 106.8663

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



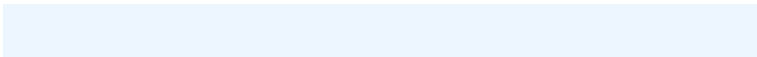
88.2782, 90.8787, 93.0093



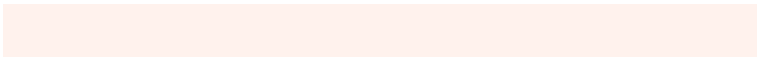
87.1598, 93.5933, 108.0792

# Split Complementary

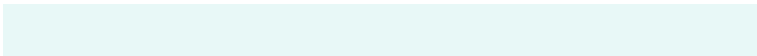
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8035, 90.8787, 107.1212



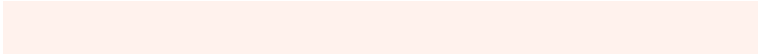
88.2782, 90.8787, 93.0093



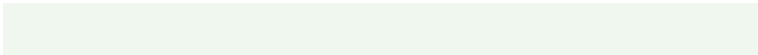
83.7123, 90.8787, 101.5240

# Square

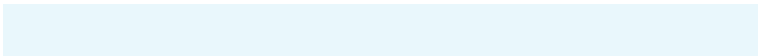
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2782, 90.8787, 93.0093



84.2769, 90.8787, 93.6452



84.5042, 90.8787, 105.1415

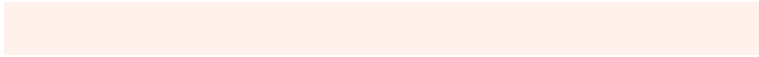


88.5126, 90.8787, 104.4545



# Rectangle

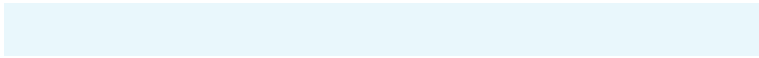
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2782, 90.8787, 93.0093



85.9687, 90.8787, 91.1287



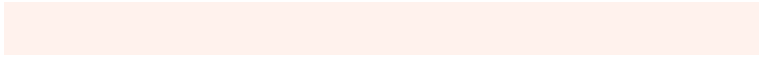
84.5042, 90.8787, 105.1415



86.7876, 90.8787, 107.2095

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



88.2803, 90.8824, 93.0112



93.0763, 97.3491, 104.2449



88.8114, 88.7440, 103.0558



19.9429, 20.8646, 22.3615



0.0000, 0.0000, 0.0000

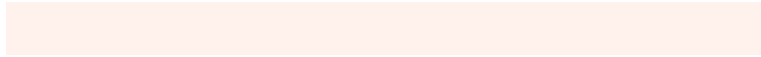


20.3446, 21.4041, 23.3091

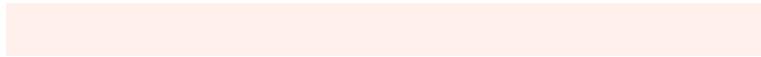


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2803, 90.8824, 93.0112



87.4179, 89.7156, 91.0040



90.9612, 96.2442, 93.9049



18.4204, 18.8091, 18.8040



22.8300, 13.6712, 1.4355

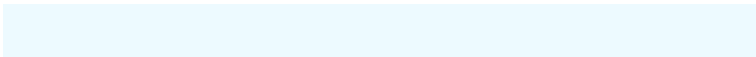


2.3100, 1.5054, 0.1688

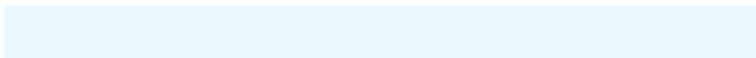


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



87.1598, 93.5933, 108.0792



86.1561, 92.7683, 107.9729



84.4905, 88.2546, 107.1895



18.1028, 19.5773, 23.0746



18.5304, 21.9705, 52.6986

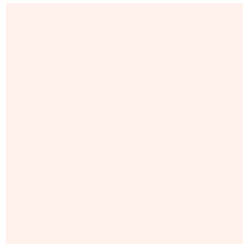


1.8963, 2.3232, 5.1618



# Previews

## White Background



This preview shows how the XYZ color 88.2782, 90.8787, 93.0093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

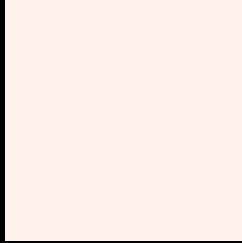
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.2782, 90.8787, 93.0093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

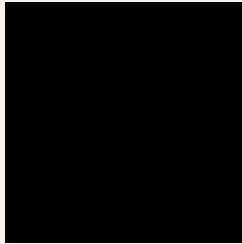
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

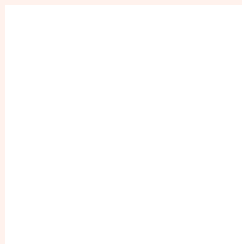
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 88.2782, 90.8787, 93.0093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.2782, 90.8787, 93.0093.



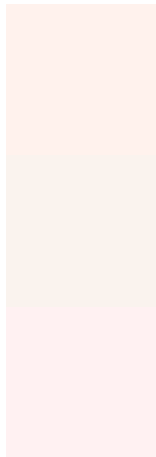
This preview shows how white text looks on a background with the XYZ color 88.2782, 90.8787,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

88.2782, 90.8787, 93.0093

### Protanopia

86.9075, 90.5982, 93.7956

### Deuteranopia

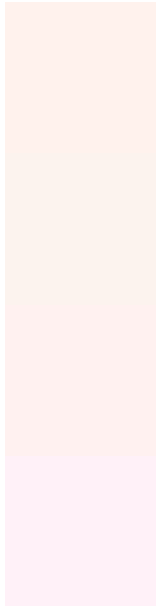
88.7223, 90.5814, 96.8122



## Tritanopia

90.4501, 90.8002, 107.3667

# Trichromacy



## Original Color

88.2782, 90.8787, 93.0093

## Protanomaly

87.6281, 90.9697, 93.8293

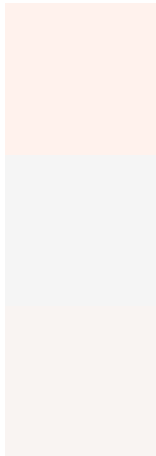
## Deuteranomaly

88.4235, 90.4619, 95.2385

## Tritanomaly

89.6386, 90.9479, 101.6372

# Monochromacy



## Original Color

88.2782, 90.8787, 93.0093

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.4446, 91.2519, 97.0090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.2782, 90.8787, 93.0093 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 88.2782, 90.8787, 93.0093 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 242, 237) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 242, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 242, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.2782, 90.8787, 93.0093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
242, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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