

# Converting Colors

XYZ(87.8170, 90.3216, 94.0328)

Have a look what the booklet for  
XYZ(87.8170, 90.3216, 94.0328)  
contains.

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# Color

**XYZ(87.7610, 90.1545,  
93.6650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF1EE
RGB	254, 241, 238
RGB Percent	100%, 95%, 93%
CMY	0.0039, 0.0549, 0.0667
CMYK	0.00, 0.05, 0.06, 0.00
HSL	11°, 89%, 96%
HSV	11°, 6%, 100%
XYZ	87.7610, 90.1545, 93.6650
YIQ	244.5450, 8.7110, 1.8230

# Conversions

## Conversions Part 2

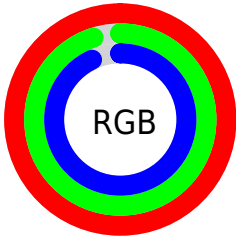
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 242, 238
Decimal	16708078
CIE Lab	96.06, 3.86, 3.00
CIE LCh	96, 4.889, 37.815
Yxy	90.1545, 0.3231, 0.3320
Android (android.graphics.Color)	4294898158 (0xFFFEF1EE)
YUV	244.5450, -3.2267, 8.2920
Hunter-Lab	94.9497, -1.1764, 7.9770

# Details

The XYZ color **87.7610, 90.1545, 93.6650** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6463, 94.3258, 107.3543**, and the grayscale version is **86.4480, 90.9500, 99.0446**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8184, 49.9456, 51.3234** is the 20% darker color. If you saturate the color by 10%, you get **78.5251, 77.2387, 73.4558**, and if you desaturate by 10%, it is **94.6836, 99.8111, 108.8829**.

# Distribution



Red (100%)

Green (95%)

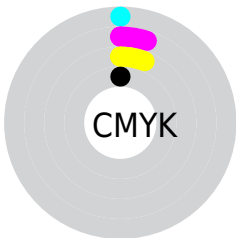
Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)



Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7610, 90.1545, 93.6650 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 87.7610, 90.1545, 93.6650 by changing the saturation by 10% instead.




 87.7610, 90.1545,  
93.6650

 87.7610, 90.1545,  
93.6650


509.0674,  
528.5333, 560.7570

 66.4553, 68.1088,  
70.4336


143.1186,  
147.5530, 154.3986

 48.9112, 49.9862,  
51.4011


177.9012,  
183.6745, 192.7379

 34.7633, 35.4025,  
36.1490


217.9068,  
225.2569, 236.9503

 23.6462, 23.9731,  
24.2587

263.5008,  
272.6843, 287.4543

 15.1947, 15.3136,  
15.3117

315.0485,  
326.3413, 344.6684

 9.0434, 9.0398,  
8.8894

372.9152,

 4.8268, 4.7672,

386.6122, 409.0112

4.5733

437.4664,  
453.8814, 480.9012

■ 2.1797, 2.1113,  
1.9448

■ 0.7320, 0.6710,  
0.5210

■ 87.7610, 90.1545,  
93.6650

■ 87.7610, 90.1545,  
93.6650

■ 78.5251, 77.2387,  
73.4558

94.6836, 99.8111,  
108.8829

■ 70.4600, 65.8581,  
56.1251

■ 63.5205, 55.9587,  
41.5431

■ 57.6556, 47.4791,  
29.5679

■ 52.8103, 40.3536,  
20.0449

■ 48.9245, 34.5110,  
12.8027

■ 45.9316, 29.8736,  
7.6482

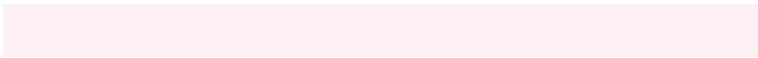
■ 43.7557, 26.3548,  
4.3554

■ 42.3070, 23.8556,  
2.6447

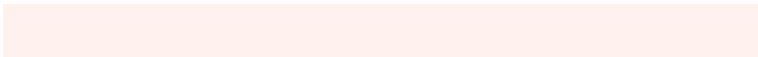
# Harmonies

## Analogous

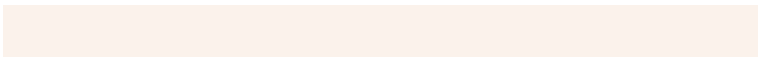
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2927, 90.1545, 97.1533



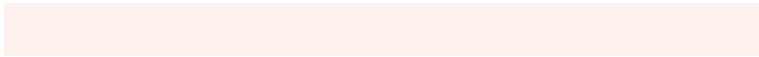
87.7610, 90.1545, 93.6650



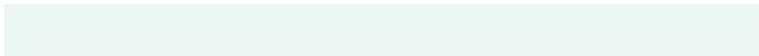
86.6753, 90.1545, 91.4237

# Triad

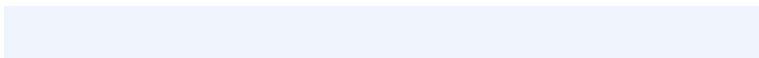
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7610, 90.1545, 93.6650



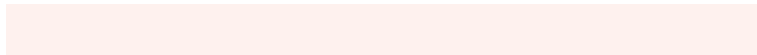
83.3025, 90.1545, 95.3761



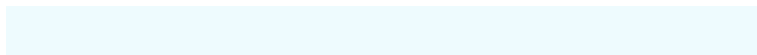
86.0434, 90.1545, 105.7315

# Complementary

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



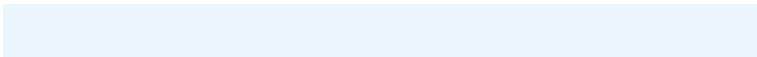
87.7610, 90.1545, 93.6650



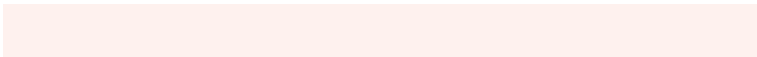
87.6463, 94.3258, 107.3543

# Split Complementary

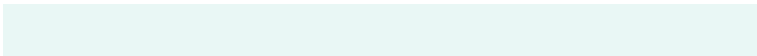
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7105, 90.1545, 105.2254



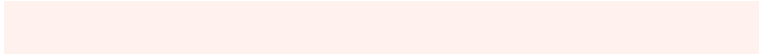
87.7610, 90.1545, 93.6650



83.1373, 90.1545, 99.1796

# Square

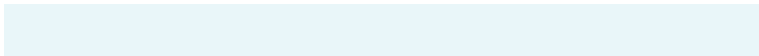
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7610, 90.1545, 93.6650



84.1039, 90.1545, 92.3934



83.6502, 90.1545, 102.8026

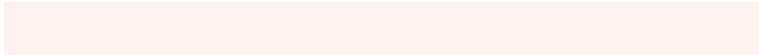


87.2942, 90.1545, 104.1678



# Rectangle

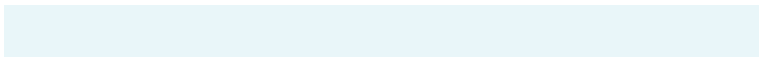
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



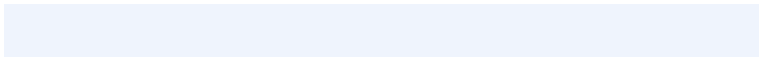
87.7610, 90.1545, 93.6650



85.7884, 90.1545, 90.9038



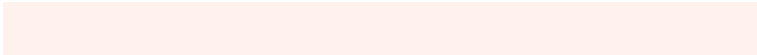
83.6502, 90.1545, 102.8026



85.5900, 90.1545, 105.7986

# Sweetspot

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



87.7635, 90.1584, 93.6669



92.9324, 97.0613, 104.1969



88.8719, 89.1905, 103.8545



19.9136, 20.8060, 22.3517



0.0000, 0.0000, 0.0000

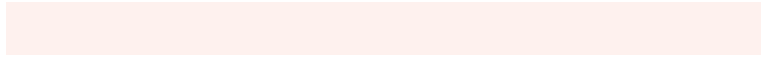


20.3446, 21.4041, 23.3091

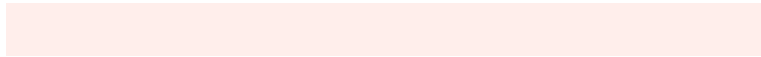


# Same Dimension

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



87.7635, 90.1584, 93.6669



86.8777, 88.6352, 90.8240



90.1620, 94.9553, 94.4664



18.2853, 18.5388, 18.7589



22.1770, 12.3652, 1.2179

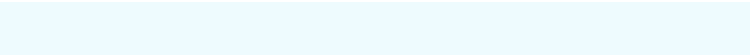


2.2292, 1.3439, 0.1419

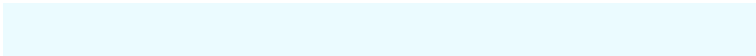


# Inverse Universe

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



87.6463, 94.3258, 107.3543



86.7291, 93.9144, 108.1639



85.2211, 89.4754, 106.5459



18.2479, 19.8673, 23.1230



21.2092, 27.3279, 53.5916

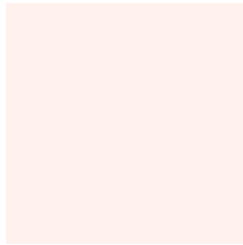


2.1365, 2.8037, 5.2418



# Previews

## White Background



This preview shows how the XYZ color 87.7610, 90.1545, 93.6650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

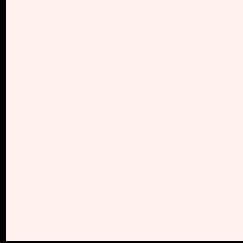
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.7610, 90.1545, 93.6650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

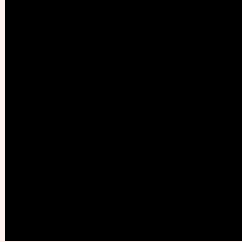
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

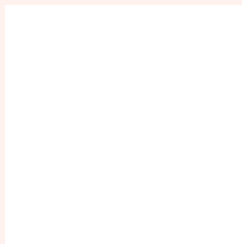
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.7610, 90.1545, 93.6650

## Background



This preview shows how black text looks on a background with the XYZ color 87.7610, 90.1545, 93.6650.



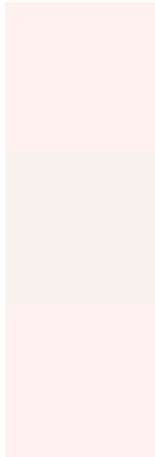
This preview shows how white text looks on a background with the XYZ color 87.7610, 90.1545,

93.6650.

# 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

87.7610, 90.1545, 93.6650

### Protanopia

86.6975, 90.4729, 94.5549

### Deuteranopia

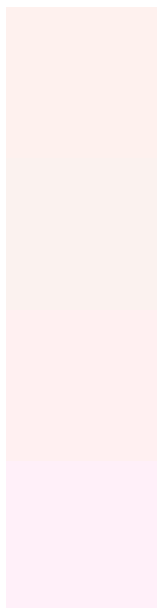
88.4271, 89.9910, 96.7138



## **Tritanopia**

90.1565, 90.2130, 107.2688

# Trichromacy



## Original Color

87.7610, 90.1545, 93.6650

## Protanomaly

87.1158, 90.2455, 94.4890

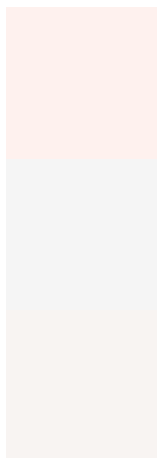
## Deuteranomaly

88.2773, 89.9311, 95.9248

## Tritanomaly

89.4990, 90.4197, 102.3582

# Monochromacy



## Original Color

87.7610, 90.1545, 93.6650

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.0891, 91.0686, 96.9923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7610, 90.1545, 93.6650 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(254, 241, 238) looks like.

```
.text, #text, p{  
    color:rgb(254, 241, 238)  
}
```

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(254, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 241, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 87.7610, 90.1545, 93.6650 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(254, 241, 238) }
```



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

```
.border{ border-color:rgb(254, 241, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(254, 241,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7610, 90.1545, 93.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 241, 238) }
```

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

```
.background{ background-color: rgb(254,  
241, 238) }
```

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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