

# Converting Colors

XYZ(103.2035, 100.0000,  
92.4728)

Have a look what the booklet for  
XYZ(103.2035, 100.0000, 92.4728)  
contains.

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# Color

**XYZ(88.8878, 92.5630,  
91.7788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5EB
RGB	255, 245, 235
RGB Percent	100%, 96%, 92%
CMY	0.0000, 0.0392, 0.0784
CMYK	0.00, 0.04, 0.08, 0.00
HSL	30°, 100%, 96%
HSV	30°, 8%, 100%
XYZ	88.8878, 92.5630, 91.7788
YIQ	246.8500, 9.1700, -0.9900

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 255, 235
Decimal	16774635
CIE <sub>Lab</sub>	97.05, 1.67, 5.99
CIE <sub>LCh</sub>	97, 6.218, 74.388
Yxy	92.5630, 0.3253, 0.3388
Android (android.graphics.Color)	4294964715 (0xFFFFF5EB)
YUV	246.8500, -5.8420, 7.1476
Hunter-Lab	96.2097, -3.4513, 10.7873

# Details

The XYZ color **88.8878, 92.5630, 91.7788** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9626, 90.1846, 107.5371**, and the grayscale version is **88.3289, 92.9289, 101.1995**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.6230, 51.6556, 50.0029** is the 20% darker color. If you saturate the color by 10%, you get **81.7416, 83.7497, 72.5049**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

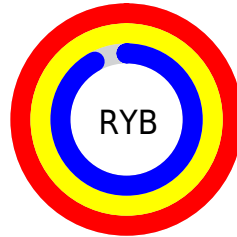
# Distribution



Red (100%)

Green (96%)

Blue (92%)



Red (100%)

Yellow (100%)

Blue (92%)



Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.8878, 92.5630, 91.7788 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 88.8878, 92.5630, 91.7788 by changing the saturation by 10% instead.



88.8878, 92.5630,  
91.7788

88.8878, 92.5630,  
91.7788

512.6982,  
536.3334, 554.5191

67.3918, 70.1083,  
68.8749

144.6787,  
150.8935, 151.7638

49.6750, 51.6149,  
50.1387

179.7044,  
187.5380, 189.6820

35.3719, 36.6982,  
35.1517

219.9706,  
229.6814, 233.4421

24.1174, 24.9739,  
23.4953

265.8428,  
277.7079, 283.4625

15.5459, 16.0576,  
14.7509

317.6863,  
332.0020, 340.1619

9.2922, 9.5649,  
8.5001

375.8665,

4.9909, 5.1115,

392.9480, 403.9588

4.3242

440.7487,  
460.9303, 475.2717

■ 2.2766, 2.3128,  
1.8049

■ 0.7827, 0.7805,  
0.4312

■ 88.8878, 92.5630,  
91.7788

■ 88.8878, 92.5630,  
91.7788

■ 81.7416, 83.7497,  
72.5049

95.0500, 100.0000,  
108.9000

■ 75.3592, 75.6554,  
55.9795

■ 69.7136, 68.2634,  
42.0765

■ 64.7730, 61.5519,  
30.6577

■ 60.5033, 55.4980,  
21.5720

■ 56.8669, 50.0768,  
14.6516

■ 53.8217, 45.2616,  
9.7057

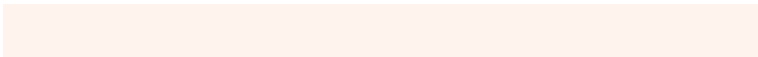
■ 51.3189, 41.0220,  
6.5097

■ 49.2950, 37.3218,  
4.7637

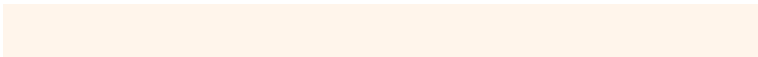
# Harmonies

## Analogous

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



90.4070, 92.5630, 94.1881



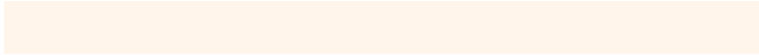
88.8878, 92.5630, 91.7788



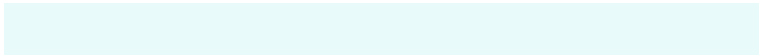
87.1442, 92.5630, 91.7287

# Triad

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



88.8878, 92.5630, 91.7788



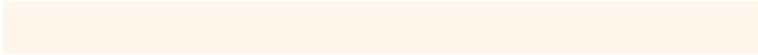
84.7564, 92.5630, 103.2010



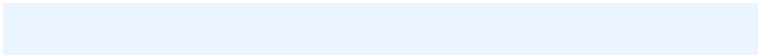
90.3552, 92.5630, 107.8361

# Complementary

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



88.8878, 92.5630, 91.7788



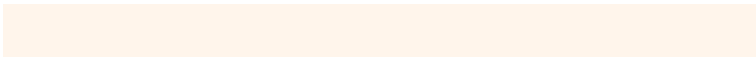
84.9626, 90.1846, 107.5371

# Split Complementary

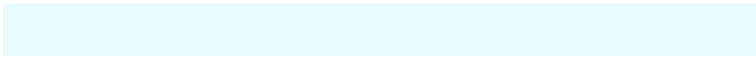
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8178, 92.5630, 110.4194



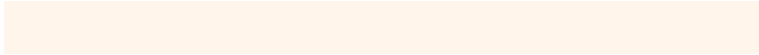
88.8878, 92.5630, 91.7788



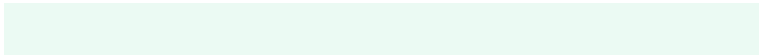
85.5936, 92.5630, 107.6837

# Square

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



88.8878, 92.5630, 91.7788



84.7746, 92.5630, 98.2119



87.0751, 92.5630, 110.3627

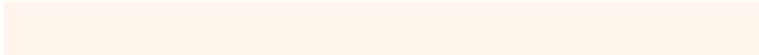


91.2618, 92.5630, 103.4034



# Rectangle

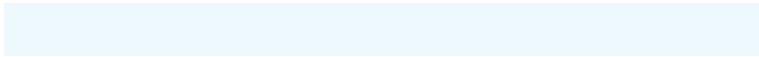
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8878, 92.5630, 91.7788



86.0900, 92.5630, 93.0338



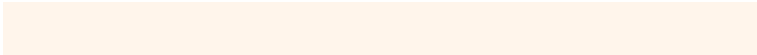
87.0751, 92.5630, 110.3627



89.8942, 92.5630, 108.9560

# Sweetspot

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



88.8899, 92.5668, 91.7808



93.4320, 98.0605, 104.3635



87.4304, 87.2703, 98.6237



20.0153, 21.0094, 22.3856



0.0000, 0.0000, 0.0000

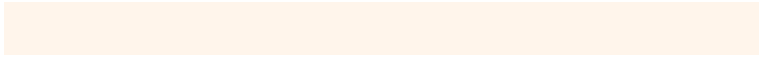


20.3446, 21.4041, 23.3091

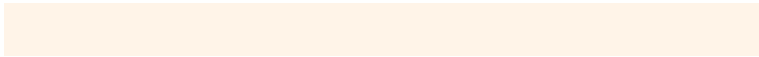


# Same Dimension

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



88.8899, 92.5668, 91.7808



88.0224, 91.5086, 89.4048



91.9956, 98.7783, 92.8160



18.7602, 19.4885, 18.9172



25.7021, 19.4155, 2.3929

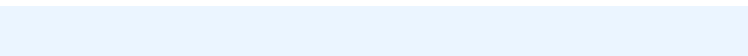


2.6117, 2.1088, 0.2694

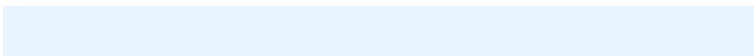


# Inverse Universe

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



84.9626, 90.1846, 107.5371



83.5511, 88.7964, 107.3435



82.0204, 84.3001, 106.5564



17.7530, 18.8776, 22.9580



13.5756, 12.0608, 51.0470

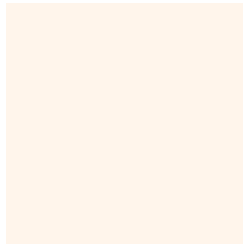


1.4310, 1.3927, 5.0067



# Previews

## White Background



This preview shows how the XYZ color 88.8878, 92.5630, 91.7788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

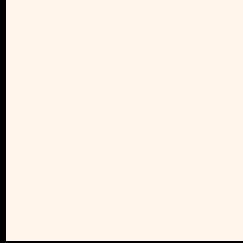
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8878, 92.5630, 91.7788 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 88.8878, 92.5630, 91.7788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.8878, 92.5630, 91.7788.



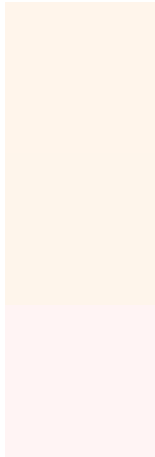
This preview shows how white text looks on a background with the XYZ color 88.8878, 92.5630,



# 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

88.8878, 92.5630, 91.7788

### Protanopia

88.5209, 92.3738, 91.7616

### Deuteranopia

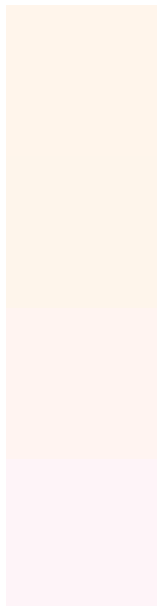
89.9198, 92.4930, 98.7016



## Tritanopia

90.9736, 92.3920, 107.6464

# Trichromacy



## Original Color

88.8878, 92.5630, 91.7788

## Protanomaly

88.5209, 92.3738, 91.7616

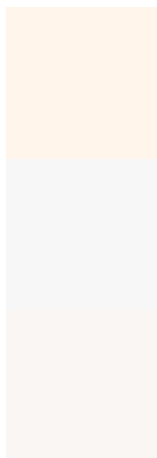
## Deuteranomaly

89.4679, 92.3122, 96.3217

## Tritanomaly

90.1670, 92.5495, 101.9185

# Monochromacy



## Original Color

88.8878, 92.5630, 91.7788

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.5578, 92.7066, 98.0207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8878, 92.5630, 91.7788 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, 245, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 235)  
}
```

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, 245, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8878, 92.5630, 91.7788 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, 245, 235) }
```



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

```
.border{ border-color:rgb(255, 245, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8878, 92.5630, 91.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 235) }
```

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

```
.background{ background-color: rgb(255,  
245, 235) }
```

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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