

# Converting Colors

XYZ(97.1694, 94.0196, 92.4211)

Have a look what the booklet for  
XYZ(97.1694, 94.0196, 92.4211)  
contains.

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# Color

**XYZ(87.2468, 89.0491,  
91.9467)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFEFEC
RGB	255, 239, 236
RGB Percent	100%, 94%, 93%
CMY	0.0000, 0.0627, 0.0745
CMYK	0.00, 0.06, 0.07, 0.00
HSL	9°, 100%, 96%
HSV	9°, 7%, 100%
XYZ	87.2468, 89.0491, 91.9467
YIQ	243.4420, 10.4990, 2.4590

# Conversions

## Conversions Part 2

Format	Color
RYP	255, 240, 236
Decimal	16773100
CIELab	95.60, 4.89, 3.37
CIELCh	96, 5.943, 34.602
Yxy	89.0491, 0.3253, 0.3320
Android (android.graphics.Color)	4294963180 (0xFFFEFEC)
YUV	243.4420, -3.6689, 10.1364
Hunter-Lab	94.3658, -0.1064, 8.2860

# Details

The XYZ color **87.2468, 89.0491, 91.9467** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4517, 94.6713, 108.2719**, and the grayscale version is **85.5677, 90.0239, 98.0361**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4604, 49.1680, 50.1163** is the 20% darker color. If you saturate the color by 10%, you get **77.8874, 75.8420, 71.8349**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

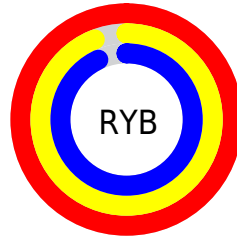
# Distribution



Red (100%)

Green (94%)

Blue (93%)



Red (100%)

Yellow (94%)

Blue (93%)



Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.2468, 89.0491, 91.9467 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 87.2468, 89.0491, 91.9467 by changing the saturation by 10% instead.




 87.2468, 89.0491,  
91.9467

 87.2468, 89.0491,  
91.9467

507.4059,  
524.9327, 555.0759

 66.0282, 67.1922,  
69.0136


142.4060,  
146.0168, 151.9986

 48.5631, 49.2409,  
50.2509


177.0773,  
181.8965, 189.9544

 34.4861, 34.8106,  
35.2403


216.9635,  
223.2193, 233.7549

 23.4319, 23.5170,  
23.5630

262.4300,  
270.3695, 283.8185

 15.0352, 14.9757,  
14.8006

313.8421,  
323.7315, 340.5639

 8.9306, 8.8024,  
8.5345

371.5652,

 4.7527, 4.6125,

383.6898, 404.4096

4.3462

435.9647,  
450.6288, 475.7741

■ 2.1361, 2.0217,  
1.8171

■ 0.7088, 0.6201,  
0.4392

■ 87.2468, 89.0491,  
91.9467

■ 87.2468, 89.0491,  
91.9467

■ 77.8874, 75.8420,  
71.8349

95.0500, 100.0000,  
108.9000

■ 69.7531, 64.2747,  
54.6298

■ 62.7945, 54.2865,  
40.1983

■ 56.9567, 45.8083,  
28.3948

■ 52.1799, 38.7662,  
19.0602

■ 48.3990, 33.0798,  
12.0181

■ 45.5413, 28.6609,  
7.0687

■ 43.5237, 25.4103,  
3.9773

■ 42.2448, 23.2125,  
2.4406

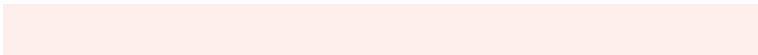
# Harmonies

## Analogous

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



87.8039, 89.0491, 96.2403



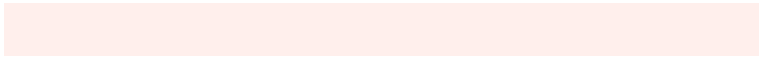
87.2468, 89.0491, 91.9467



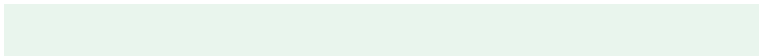
85.9910, 89.0491, 89.0683

# Triad

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



87.2468, 89.0491, 91.9467



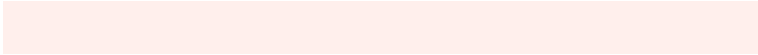
81.8364, 89.0491, 93.1571



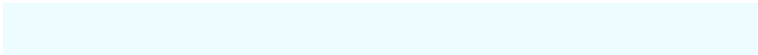
84.8904, 89.0491, 106.1925

# Complementary

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



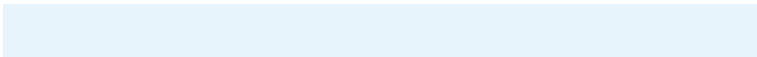
87.2468, 89.0491, 91.9467



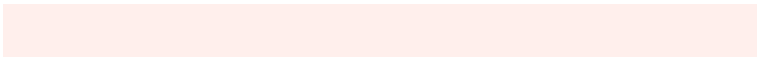
87.4517, 94.6713, 108.2719

# Split Complementary

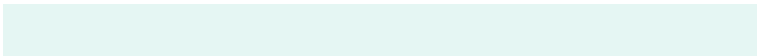
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3002, 89.0491, 105.3032



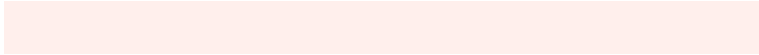
87.2468, 89.0491, 91.9467



81.5501, 89.0491, 97.6820

# Square

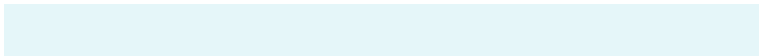
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2468, 89.0491, 91.9467



82.8696, 89.0491, 89.7512



82.0827, 89.0491, 102.1509



86.4323, 89.0491, 104.5434



# Rectangle

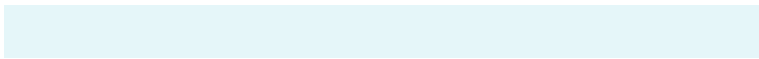
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



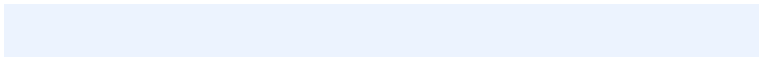
87.2468, 89.0491, 91.9467



84.9339, 89.0491, 88.2877



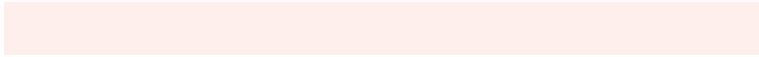
82.0827, 89.0491, 102.1509



84.3438, 89.0491, 106.1809

# Sweetspot

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



87.2488, 89.0528, 91.9486



92.8852, 96.9670, 104.1812



88.8305, 88.2897, 104.5801



19.9040, 20.7867, 22.3485



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

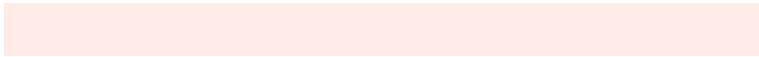


# Same Dimension

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



87.2488, 89.0528, 91.9486



85.7158, 86.8954, 88.6360



90.0559, 94.6668, 92.8843



18.2413, 18.4507, 18.7443



22.0192, 12.0497, 1.1653

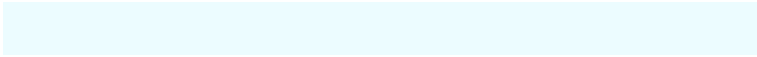


2.2076, 1.3005, 0.1347

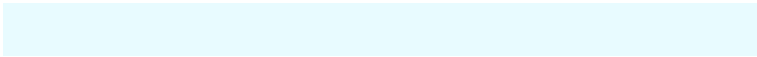


# Inverse Universe

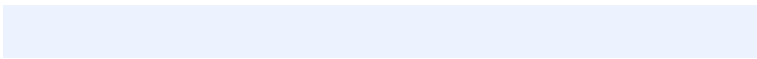
The Inverse Universe completely reimagines the original color for something new.



87.4517, 94.6713, 108.2719



85.9581, 93.6104, 108.1459



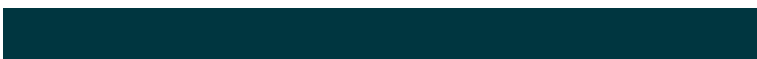
84.5889, 88.9457, 107.3177



18.2958, 19.9633, 23.1390



22.1775, 29.2646, 53.9143

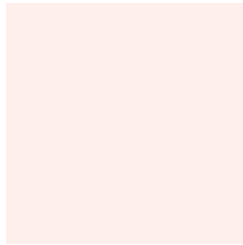


2.2221, 2.9749, 5.2704



# Previews

## White Background



This preview shows how the XYZ color 87.2468, 89.0491, 91.9467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

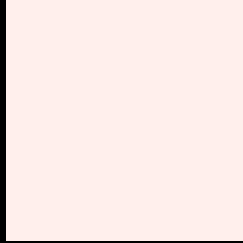
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.2468, 89.0491, 91.9467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

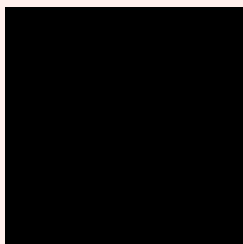
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

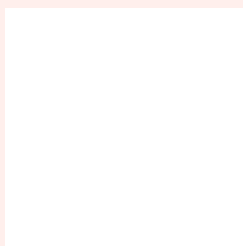
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.2468, 89.0491, 91.9467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.2468, 89.0491, 91.9467.



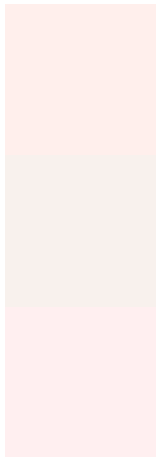
This preview shows how white text looks on a background with the XYZ color 87.2468, 89.0491,

91.9467.

# 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

87.2468, 89.0491, 91.9467

### Protanopia

85.4528, 88.9815, 92.7921

### Deuteranopia

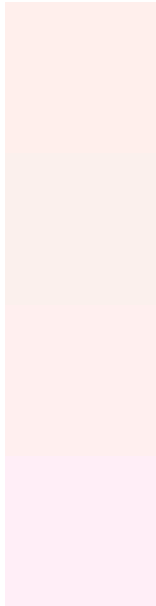
87.8347, 89.2843, 95.0423



## Tritanopia

89.2538, 88.9202, 105.3876

# Trichromacy



## Original Color

87.2468, 89.0491, 91.9467

## Protanomaly

86.2298, 88.9438, 92.7438

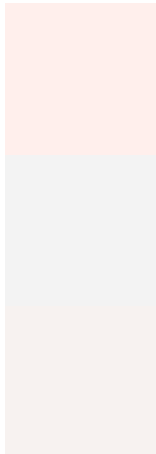
## Deuteranomaly

87.6865, 89.2250, 94.2619

## Tritanomaly

88.6030, 89.1245, 100.5285

# Monochromacy



## Original Color

87.2468, 89.0491, 91.9467

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.8381, 89.5697, 95.2026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.2468, 89.0491, 91.9467 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, 239, 236) looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 236)  
}
```

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, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 87.2468, 89.0491, 91.9467 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, 239, 236) }
```



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

```
.border{ border-color:rgb(255, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.2468, 89.0491, 91.9467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 236) }
```

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

```
.background{ background-color: rgb(255,  
239, 236) }
```

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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