

# Converting Colors

XYZ(82.2213, 86.4986, 67.1480)

Have a look what the booklet for  
XYZ(82.2213, 86.4986, 67.1480)  
contains.

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# Color

**XYZ(82.2399, 86.5792,  
67.0205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEC8
RGB	255, 238, 200
RGB Percent	100%, 93%, 78%
CMY	0.0000, 0.0666, 0.2157
CMYK	0.00, 0.07, 0.22, 0.00
HSL	41°, 100%, 89%
HSV	41°, 22%, 100%
XYZ	82.2399, 86.5792, 67.0205
YIQ	238.7510, 22.3300, -8.2140

# Conversions

## Conversions Part 2

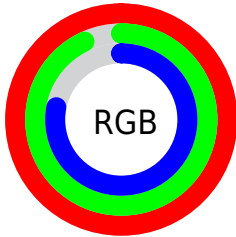
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 255, 200
Decimal	16772808
CIE <sub>Lab</sub>	94.56, -0.10, 20.49
CIE <sub>LCh</sub>	95, 20.491, 90.276
Yxy	86.5792, 0.3487, 0.3671
Android (android.graphics.Color)	4294962888 (0xFFFFEEC8)
YUV	238.7510, -19.1042, 14.2504
Hunter-Lab	93.0479, -5.0677, 22.4282

# Details

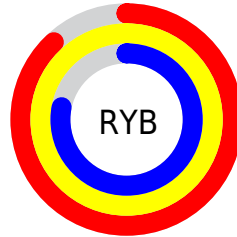
The XYZ color **82.2399, 86.5792, 67.0205** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.6816, 69.1231, 104.4353**, and the grayscale version is **81.9839, 86.2534, 93.9300**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2050, 47.5370, 33.9871** is the 20% darker color. If you saturate the color by 10%, you get **77.2612, 81.0000, 51.8639**, and if you desaturate by 10%, it is **87.8201, 92.5656, 84.8320**.

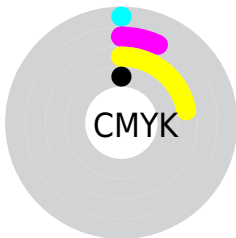
# Distribution



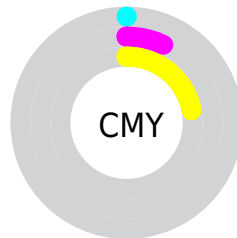
- Red (100%)
- Green (93%)
- Blue (78%)



- Red (88%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2399, 86.5792, 67.0205 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 82.2399, 86.5792, 67.0205 by changing the saturation by 10% instead.




 82.2399, 86.5792,  
67.0205

 82.2399, 86.5792,  
67.0205


491.0721,  
516.8391, 468.5212

 61.8781, 65.1470,  
48.6396


135.4444,  
142.5775, 116.5907

 45.1894, 47.5803,  
33.9701


169.0179,  
177.9124, 148.6171

 31.8086, 33.4946,  
22.5934


207.7259,  
218.6503, 186.0290

 21.3702, 22.5056,  
14.0911

251.9338,  
265.1756, 229.2451

 13.5088, 14.2289,  
8.0446

302.0071,  
317.8728, 278.6838

 7.8593, 8.2800,  
4.0353

358.3110,

 4.0561, 4.2747,

377.1262, 334.7637

1.6447

421.2109,  
443.3201, 397.9033

■ 1.7339, 1.8284,  
0.3224

■ 0.4774, 0.5048,  
0.0000

■ 82.2399, 86.5792,  
67.0205

■ 82.2399, 86.5792,  
67.0205

■ 77.2612, 81.0000,  
51.8639

■ 87.8201, 92.5656,  
84.8320

■ 72.8521, 75.8043,  
39.2265

■ 94.0200, 98.9595,  
105.4141

■ 68.9867, 70.9827,  
28.9691

■ 95.0500, 100.0000,  
108.9000

■ 65.6340, 66.5206,  
20.9362

■ 62.7600, 62.4022,  
14.9541

■ 60.3254, 58.6097,  
10.8228

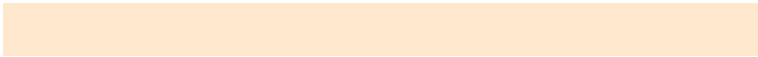
■ 58.2830, 55.1220,  
8.3019

■ 56.8062, 52.3924,  
7.1187

# Harmonies

## Analogous

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



87.6672, 86.5792, 70.2573



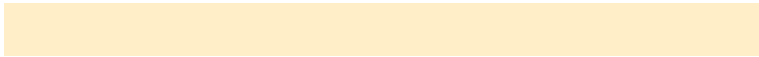
82.2399, 86.5792, 67.0205



77.0545, 86.5792, 70.3776

# Triad

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



82.2399, 86.5792, 67.0205



73.4599, 86.5792, 110.4424



91.8577, 86.5792, 110.1613

# Complementary

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



82.2399, 86.5792, 67.0205



66.6816, 69.1231, 104.4353

# 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.



87.7594, 86.5792, 123.0371



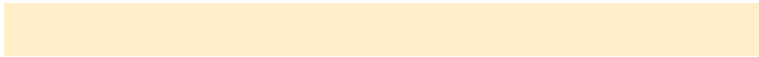
82.2399, 86.5792, 67.0205



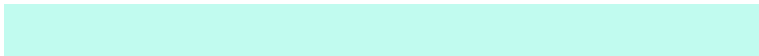
77.1391, 86.5792, 123.2117

# Square

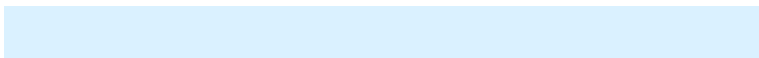
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2399, 86.5792, 67.0205



72.1259, 86.5792, 94.4163



82.3420, 86.5792, 128.0552

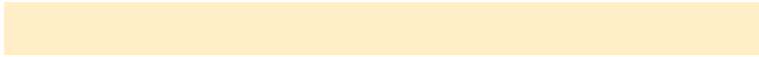


93.3688, 86.5792, 94.1239

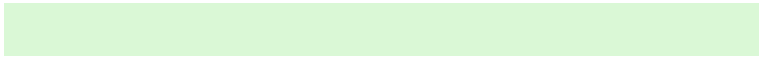


# Rectangle

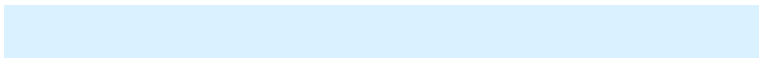
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2399, 86.5792, 67.0205



74.3937, 86.5792, 76.1453



82.3420, 86.5792, 128.0552



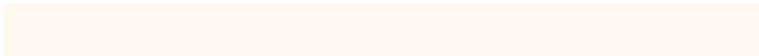
90.7282, 86.5792, 115.0643

# Sweetspot

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



82.2419, 86.5829, 67.0223



91.1940, 96.0741, 95.9423



74.4736, 67.6010, 75.0541



19.4324, 20.4743, 20.2470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

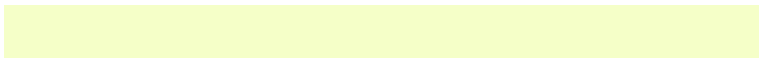
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2419, 86.5829, 67.0223



79.9622, 84.0599, 59.9843



83.8128, 95.0878, 68.5811



19.0599, 20.0879, 19.0171



29.8212, 27.6537, 3.7660



3.0008, 2.8869, 0.3991



# Inverse Universe

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



66.6816, 69.1231, 104.4353



61.8080, 63.6927, 103.6440



65.3072, 62.2435, 103.1799



17.4608, 18.2932, 22.8606



11.0003, 6.9102, 50.1886



1.1632, 0.8570, 4.9174



# Previews

## White Background



This preview shows how the XYZ color 82.2399, 86.5792, 67.0205 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 82.2399, 86.5792, 67.0205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

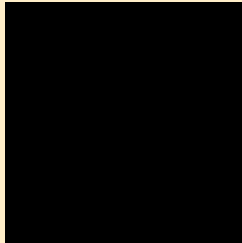
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.2399, 86.5792, 67.0205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.2399, 86.5792, 67.0205.



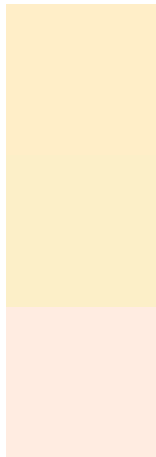
This preview shows how white text looks on a background with the XYZ color 82.2399, 86.5792,

67.0205.

# 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

82.2399, 86.5792, 67.0205

### Protanopia

81.4367, 86.5986, 67.0666

### Deuteranopia

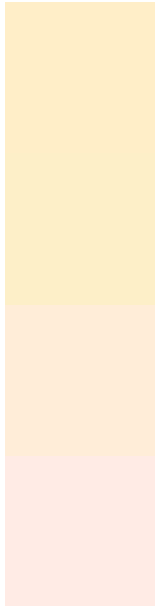
84.8261, 86.6871, 83.4956



## Tritanopia

87.2974, 86.7595, 99.3340

# Trichromacy



## Original Color

82.2399, 86.5792, 67.0205

## Protanomaly

81.7998, 86.7858, 67.0836

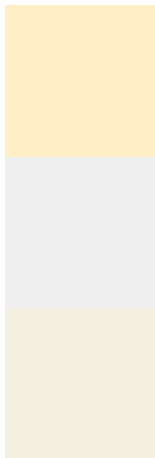
## Deuteranomaly

83.9189, 86.7862, 77.2942

## Tritanomaly

85.0912, 86.3338, 86.3080

# Monochromacy



## Original Color

82.2399, 86.5792, 67.0205

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.1133, 86.5817, 83.6183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2399, 86.5792, 67.0205 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, 238, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 200)  
}
```

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, 238, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2399, 86.5792, 67.0205 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, 238, 200) }
```



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

```
.border{ border-color:rgb(255, 238, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2399, 86.5792, 67.0205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 200) }
```

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

```
.background{ background-color: rgb(255,  
238, 200) }
```

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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