

# Converting Colors

XYZ(83.5761, 87.7278, 72.1641)

Have a look what the booklet for  
XYZ(83.5761, 87.7278, 72.1641)  
contains.

<b>XYZ(83.4917, 87.5471, 72.1723)</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(83.4917, 87.5471,  
72.1723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFD0
RGB	255, 239, 208
RGB Percent	100%, 94%, 82%
CMY	0.0000, 0.0627, 0.1843
CMYK	0.00, 0.06, 0.18, 0.00
HSL	40°, 100%, 91%
HSV	40°, 18%, 100%
XYZ	83.4917, 87.5471, 72.1723
YIQ	240.2500, 19.4870, -6.2490

# Conversions

## Conversions Part 2

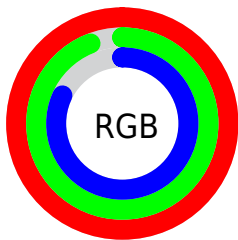
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 255, 208
Decimal	16773072
CIE <sub>Lab</sub>	94.97, 0.54, 16.95
CIE <sub>LCh</sub>	95, 16.955, 88.183
Yxy	87.5471, 0.3433, 0.3600
Android (android.graphics.Color)	4294963152 (0xFFFFEFD0)
YUV	240.2500, -15.8992, 12.9358
Hunter-Lab	93.5666, -4.4618, 19.7635

# Details

The XYZ color **83.4917, 87.5471, 72.1723** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.7174, 73.9391, 105.1522**, and the grayscale version is **83.1320, 87.4614, 95.2454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0549, 48.2058, 37.4492** is the 20% darker color. If you saturate the color by 10%, you get **78.1238, 81.4349, 56.1293**, and if you desaturate by 10%, it is **89.4902, 94.1126, 90.9162**.

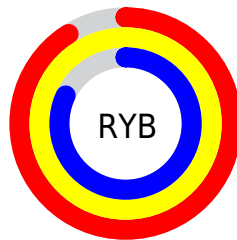
# Distribution



Red (100%)

Green (94%)

Blue (82%)



Red (91%)

Yellow (100%)

Blue (82%)

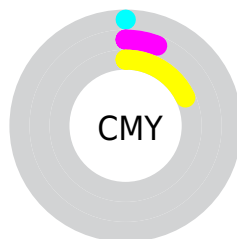


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4917, 87.5471, 72.1723 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 83.4917, 87.5471, 72.1723 by changing the saturation by 10% instead.




 83.4917, 87.5471,  
72.1723

 83.4917, 87.5471,  
72.1723


495.1829,  
520.0189, 487.1347

 62.9141, 65.9481,  
52.8117


137.1889,  
143.9265, 124.0115

 46.0301, 48.2302,  
37.2658


171.0392,  
179.4756, 157.3271

 32.4743, 34.0092,  
25.1160

210.0445,  
220.4435, 196.1316

 21.8814, 22.9007,  
15.9437

254.5701,  
267.2146, 240.8434

 13.8859, 14.5202,  
9.3304

304.9814,  
320.1733, 291.8811

 8.1225, 8.4834,  
4.8576

361.6437,

 4.2259, 4.4058,

379.7040, 349.6632

2.1067

424.9225,  
446.1911, 414.6082

■ 1.8307, 1.9030,  
0.6197

■ 0.5361, 0.5502,  
0.0000

■ 83.4917, 87.5471,  
72.1723

■ 83.4917, 87.5471,  
72.1723

■ 78.1238, 81.4349,  
56.1293

■ 89.4902, 94.1126,  
90.9162

■ 73.3546, 75.7516,  
42.6545

95.0500, 100.0000,  
108.9000

■ 69.1583, 70.4873,  
31.6119

■ 65.5047, 65.6269,  
22.8510

■ 62.3603, 61.1541,  
16.2042

■ 59.6872, 57.0509,  
11.4807

■ 57.4406, 53.2963,  
8.4550

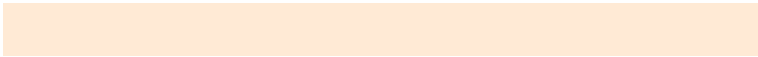
■ 55.5588, 49.8625,  
6.8111

■ 55.2837, 49.3474,  
6.6112

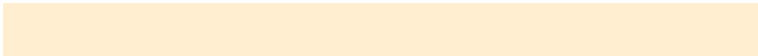
# Harmonies

## Analogous

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



87.9636, 87.5471, 75.3710



83.4917, 87.5471, 72.1723



79.1013, 87.5471, 74.6862

# Triad

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



83.4917, 87.5471, 72.1723



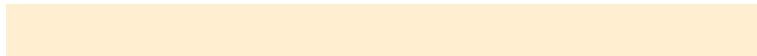
75.6526, 87.5471, 107.8005



90.9586, 87.5471, 109.3179

# Complementary

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



83.4917, 87.5471, 72.1723



70.7174, 73.9391, 105.1522

# Split Complementary

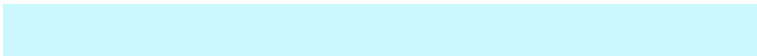
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4604, 87.5471, 119.4511



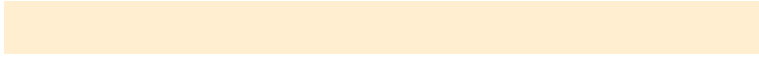
83.4917, 87.5471, 72.1723



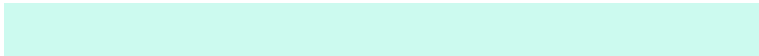
78.6326, 87.5471, 118.5198

# Square

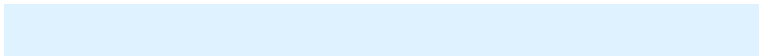
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4917, 87.5471, 72.1723



74.6764, 87.5471, 94.5229



82.9307, 87.5471, 122.9623



92.3720, 87.5471, 96.1295

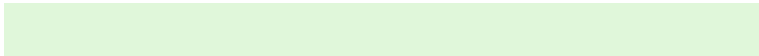


# Rectangle

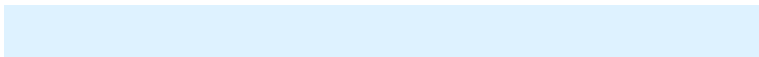
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4917, 87.5471, 72.1723



76.7889, 87.5471, 79.4062



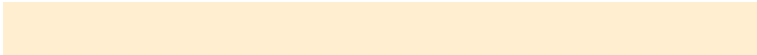
82.9307, 87.5471, 122.9623



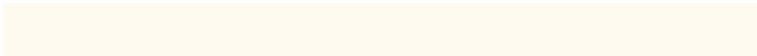
89.9813, 87.5471, 113.2383

# Sweetspot

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



83.4937, 87.5509, 72.1741



91.0451, 95.7763, 95.8927



77.3122, 71.7790, 80.6222



19.3971, 20.4038, 20.2352



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

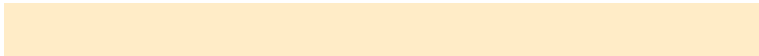


# Same Dimension

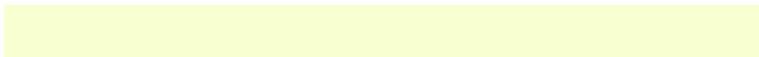
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4937, 87.5509, 72.1741



81.5064, 85.3173, 66.1440



85.8392, 96.0215, 73.6855



19.0102, 19.9885, 19.0006



29.0310, 26.0732, 3.5025



2.9281, 2.7415, 0.3748



# Inverse Universe

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



70.7174, 73.9391, 105.1522



66.6458, 69.4866, 104.5074



68.6458, 66.7876, 103.8810



17.5082, 18.3881, 22.8764



11.3266, 7.5628, 50.2974



1.1994, 0.9295, 4.9295



# Previews

## White Background



This preview shows how the XYZ color 83.4917, 87.5471, 72.1723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

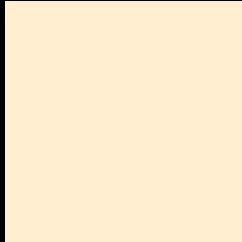
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4917, 87.5471, 72.1723 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 83.4917, 87.5471, 72.1723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.4917, 87.5471, 72.1723.



This preview shows how white text looks on a background with the XYZ color 83.4917, 87.5471,

72.1723.

# 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

83.4917, 87.5471, 72.1723

### Protanopia

82.6901, 87.5697, 72.2189

### Deuteranopia

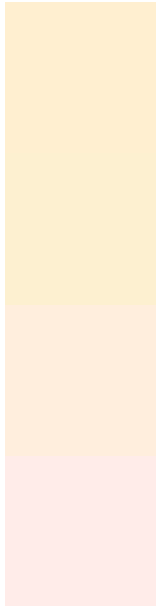
85.6670, 87.4855, 86.5000



## Tritanopia

87.8916, 87.4540, 101.0549

# Trichromacy



## Original Color

83.4917, 87.5471, 72.1723

## Protanomaly

83.0533, 87.7569, 72.2359

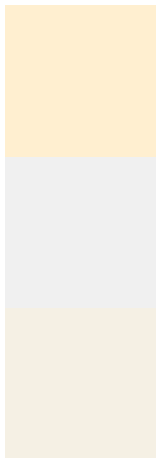
## Deuteranomaly

84.8657, 87.6295, 80.8479

## Tritanomaly

85.9434, 87.1341, 89.3797

# Monochromacy



## Original Color

83.4917, 87.5471, 72.1723

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.8199, 87.3341, 85.8909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4917, 87.5471, 72.1723 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4917, 87.5471, 72.1723 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".

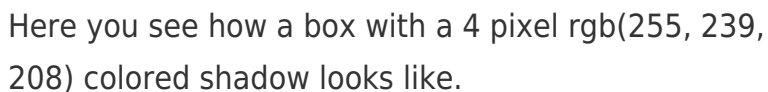
```
.border, #border, table{ border:4px solid rgb(255, 239, 208) }
```



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

```
.border{ border-color:rgb(255, 239, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4917, 87.5471, 72.1723 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
239, 208) }
```

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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