

Converting Colors

XYZ(83.8347, 88.0151, 72.9589)

Have a look what the booklet for
XYZ(83.8347, 88.0151, 72.9589)
contains.

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Color

**XYZ(83.9087, 88.1836,
72.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0D1
RGB	255, 240, 209
RGB Percent	100%, 94%, 82%
CMY	0.0000, 0.0588, 0.1804
CMYK	0.00, 0.06, 0.18, 0.00
HSL	40°, 100%, 91%
HSV	40°, 18%, 100%
XYZ	83.9087, 88.1836, 72.9203
YIQ	240.9510, 18.8910, -6.4610

Conversions

Conversions Part 2

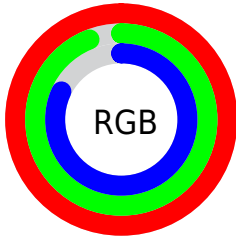
Format	Color
R _Y B	231, 255, 209
Decimal	16773329
CIE Lab	95.24, 0.18, 16.81
CIE LCh	95, 16.809, 89.397
Yxy	88.1836, 0.3425, 0.3599
Android (android.graphics.Color)	4294963409 (0xFFFFF0D1)
YUV	240.9510, -15.7518, 12.3210
Hunter-Lab	93.9061, -4.8392, 19.6942

Details

The XYZ color **83.9087, 88.1836, 72.9203** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.9995, 74.0846, 105.1654**, and the grayscale version is **83.6820, 88.0400, 95.8755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3456, 48.6533, 37.9587** is the 20% darker color. If you saturate the color by 10%, you get **78.6102, 82.2410, 56.8051**, and if you desaturate by 10%, it is **89.8289, 94.5601, 91.7380**.

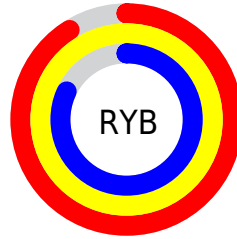
Distribution



Red (100%)

Green (94%)

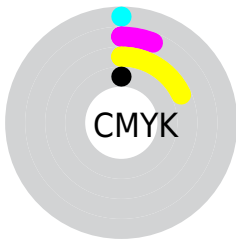
Blue (82%)



Red (91%)

Yellow (100%)

Blue (82%)

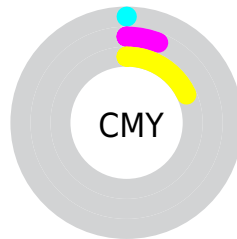


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9087, 88.1836, 72.9203 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 83.9087, 88.1836, 72.9203 by changing the saturation by 10% instead.


 83.9087, 88.1836,
72.9203

 83.9087, 88.1836,
72.9203

496.5482,
522.1043, 489.8019

 63.2595, 66.4751,
53.4194


137.7694,
144.8127, 125.0839

 46.3106, 48.6582,
37.7476


171.7116,
180.5022, 158.5837

 32.6967, 34.3484,
25.4866


210.8155,
221.6208, 197.5868

 22.0523, 23.1614,
16.2176

255.4465,
268.5529, 242.5119

 14.0121, 14.7127,
9.5223

305.9699,
321.6829, 293.7774

 8.2109, 8.6180,
4.9819

362.7511,

 4.2831, 4.4929,

381.3952, 351.8019

2.1781

426.1554,
448.0742, 417.0038

■ 1.8635, 1.9529,
0.6617

■ 0.5555, 0.5799,
0.0000

■ 83.9087, 88.1836,
72.9203

■ 83.9087, 88.1836,
72.9203

■ 78.6102, 82.2410,
56.8051

■ 89.8289, 94.5601,
91.7380

■ 73.9016, 76.7084,
43.2598

95.0500, 100.0000,
108.9000

■ 69.7575, 71.5762,
32.1493

■ 66.1481, 66.8300,
23.3235

■ 63.0402, 62.4539,
16.6159

■ 60.3963, 58.4304,
11.8366

■ 58.1722, 54.7391,
8.7619

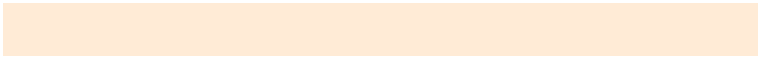
■ 56.3088, 51.3538,
7.0881

■ 55.9695, 50.7190,
6.8398

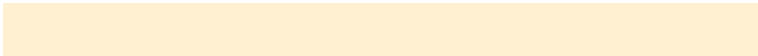
Harmonies

Analogous

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



88.3841, 88.1836, 75.8855



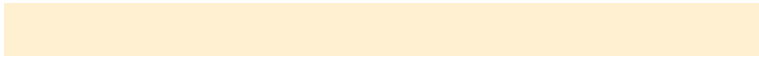
83.9087, 88.1836, 72.9203



79.5630, 88.1836, 75.6585

Triad

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



83.9087, 88.1836, 72.9203



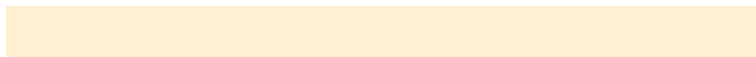
76.3680, 88.1836, 108.9497



91.6344, 88.1836, 109.4513

Complementary

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



83.9087, 88.1836, 72.9203



70.9995, 74.0846, 105.1654

Split Complementary

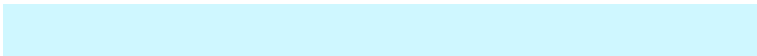
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2177, 88.1836, 119.7344



83.9087, 88.1836, 72.9203



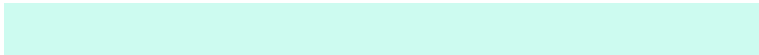
79.4078, 88.1836, 119.4268

Square

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



83.9087, 88.1836, 72.9203



75.3066, 88.1836, 95.7514



83.7231, 88.1836, 123.5384



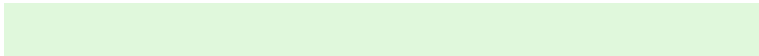
92.9431, 88.1836, 96.2830

Rectangle

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



83.9087, 88.1836, 72.9203



77.2997, 88.1836, 80.5059



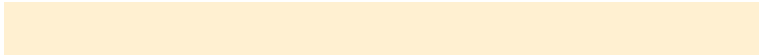
83.7231, 88.1836, 123.5384



90.6883, 88.1836, 113.4023

Sweetspot

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



83.9108, 88.1874, 72.9222



91.7530, 96.5827, 98.0078



77.5409, 72.2619, 80.6203



19.5425, 20.5718, 20.6624



0.0000, 0.0000, 0.0000



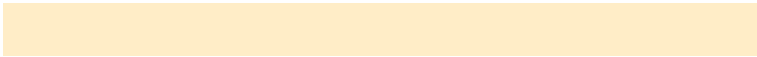
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9108, 88.1874, 72.9222



81.7385, 85.7814, 66.2214



85.7444, 95.9584, 74.3255



19.0329, 20.0340, 19.0081



29.3871, 26.7854, 3.6212



2.9609, 2.8072, 0.3858

Inverse Universe

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



70.9995, 74.0846, 105.1654



66.4377, 69.0704, 104.4380



69.3677, 67.5228, 103.9849



17.4865, 18.3446, 22.8692



11.1727, 7.2550, 50.2461



1.1825, 0.8956, 4.9238

Previews

White Background



This preview shows how the XYZ color 83.9087, 88.1836, 72.9203 looks on a white background.

Color Contrast Check

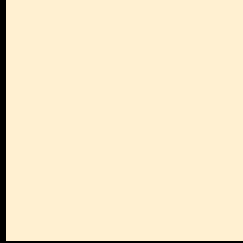
Large Text (above 18pt) WCAG AA × Fail

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 83.9087, 88.1836, 72.9203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

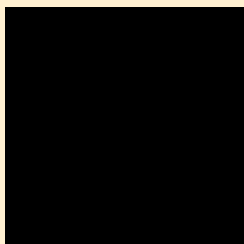
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9087, 88.1836, 72.9203

Background



This preview shows how black text looks on a background with the XYZ color 83.9087, 88.1836, 72.9203.



This preview shows how white text looks on a background with the XYZ color 83.9087, 88.1836,

72.9203.

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

83.9087, 88.1836, 72.9203

Protanopia

83.4719, 88.3967, 72.9844

Deuteranopia

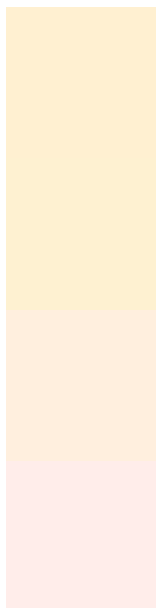
86.0975, 88.1222, 87.3344



Tritanopia

88.3343, 88.0905, 101.9700

Trichromacy



Original Color

83.9087, 88.1836, 72.9203

Protanomaly

83.8370, 88.5849, 73.0015

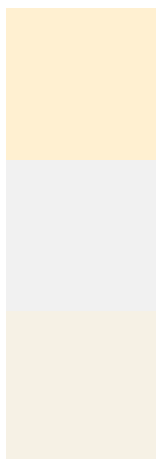
Deuteranomaly

85.2913, 88.2669, 81.6491

Tritanomaly

86.3755, 87.7689, 90.2305

Monochromacy



Original Color

83.9087, 88.1836, 72.9203

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.6042, 88.1606, 86.7390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9087, 88.1836, 72.9203 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, 240, 209) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 209)  
}
```

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, 240, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 209) }
```

Border

The CSS property to change the border of an element to XYZ 83.9087, 88.1836, 72.9203 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, 240, 209) }
```


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

```
.border{ border-color:rgb(255, 240, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9087, 88.1836, 72.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 209) }
```

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

```
.background{ background-color: rgb(255,  
240, 209) }
```

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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