

# Converting Colors

XYZ(78.7992, 84.7088, 71.2287)

Have a look what the booklet for  
XYZ(78.7992, 84.7088, 71.2287)  
contains.

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# Color

**XYZ(78.7992, 84.7088,  
71.2287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EECF
RGB	243, 238, 207
RGB Percent	95%, 93%, 81%
CMY	0.0471, 0.0666, 0.1882
CMYK	0.00, 0.02, 0.15, 0.05
HSL	52°, 60%, 88%
HSV	52°, 15%, 95%
XYZ	78.7992, 84.7088, 71.2287
YIQ	235.9610, 12.9310, -8.5810

# Conversions

## Conversions Part 2

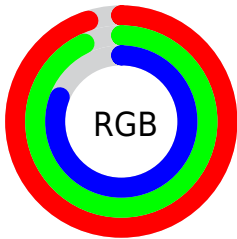
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 243, 207
Decimal	15986383
CIE <sub>Lab</sub>	93.76, -3.38, 15.62
CIE <sub>LCh</sub>	94, 15.981, 102.215
Yxy	84.7088, 0.3357, 0.3609
Android (android.graphics.Color)	4294176463 (0xFFFF3EECF)
YUV	235.9610, -14.2778, 6.1732
Hunter-Lab	92.0374, -8.2399, 18.5410

# Details

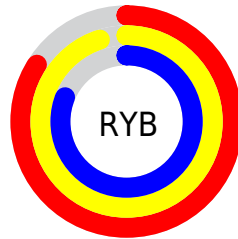
The XYZ color **78.7992, 84.7088, 71.2287** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.4531, 66.8221, 94.2429**, and the grayscale version is **79.7998, 83.9557, 91.4277**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9712, 46.3206, 36.8129** is the 20% darker color. If you saturate the color by 10%, you get **75.0825, 81.6689, 56.4435**, and if you desaturate by 10%, it is **82.9962, 87.9759, 88.4317**.

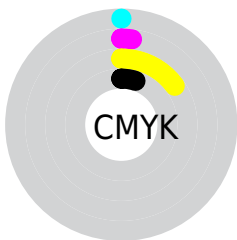
# Distribution



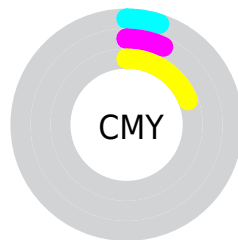
- Red (95%)
- Green (93%)
- Blue (81%)



- Red (84%)
- Yellow (95%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (5%)




- Cyan (5%)
- Magenta (7%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7992, 84.7088, 71.2287 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 78.7992, 84.7088, 71.2287 by changing the saturation by 10% instead.




 78.7992, 84.7088,  
71.2287

 78.7992, 84.7088,  
71.2287


479.6752,  
510.6640, 483.7577

 59.0358, 63.6008,  
52.0459


130.6356,  
139.9663, 122.6568

 42.8884, 46.3274,  
36.6591


163.4392,  
174.8845, 155.7392

 29.9917, 32.5043,  
24.6500


201.3203,  
215.1749, 194.2918

 19.9803, 21.7470,  
15.5998

244.6442,  
261.2220, 238.7332

 12.4889, 13.6711,  
9.0902

293.7763,  
313.4100, 289.4820

 7.1521, 7.8923,  
4.7024

349.0819,

 3.6046, 4.0261,

372.1234, 346.9566

2.0181

410.9264,  
437.7466, 411.5757

■ 1.4810, 1.6882,  
0.5664

■ 0.3128, 0.4160,  
0.0000

■ 78.7992, 84.7088,  
71.2287

■ 78.7992, 84.7088,  
71.2287

■ 75.0825, 81.6689,  
56.4435

■ 82.9962, 87.9759,  
88.4317

■ 71.8182, 78.8364,  
43.9610

■ 87.5891, 91.4281,  
107.6387

■ 68.9861, 76.2059,  
33.6647

■ 88.6170, 93.4840,  
107.9813

■ 66.5617, 73.7674,  
25.4256

■ 89.6637, 95.5773,  
108.3302

■ 64.5177, 71.5099,  
19.1015

■ 90.7291, 97.7082,  
108.6854

■ 62.8237, 69.4209,  
14.5318

■ 90.7725, 97.7948,  
108.6998

■ 61.4440, 67.4861,  
11.5298

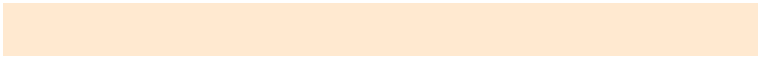
■ 60.3351, 65.6880,  
9.8665

■ 59.8329, 64.7957,  
9.3533

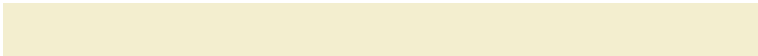
# Harmonies

## Analogous

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



83.0311, 84.7088, 71.7246



78.7992, 84.7088, 71.2287



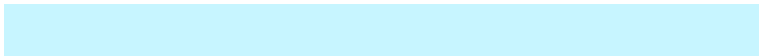
75.1545, 84.7088, 75.9871

# Triad

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



78.7992, 84.7088, 71.2287



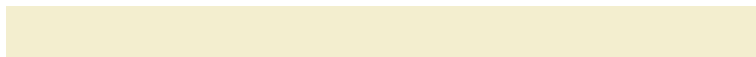
74.6203, 84.7088, 108.8417



88.5349, 84.7088, 99.5565

# Complementary

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



78.7992, 84.7088, 71.2287



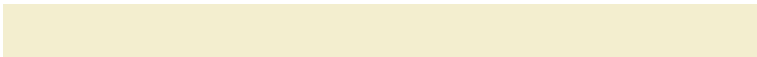
65.4531, 66.8221, 94.2429

# Split Complementary

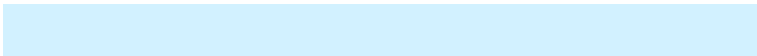
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1207, 84.7088, 110.6447



78.7992, 84.7088, 71.2287



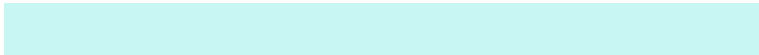
78.0466, 84.7088, 116.3208

# Square

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



78.7992, 84.7088, 71.2287



72.7992, 84.7088, 97.2663



82.2518, 84.7088, 117.0082



88.7537, 84.7088, 87.3774

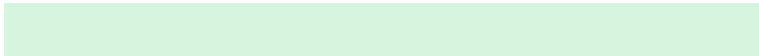


# Rectangle

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



78.7992, 84.7088, 71.2287



73.5084, 84.7088, 81.7640



82.2518, 84.7088, 117.0082



87.9494, 84.7088, 103.5605

# Sweetspot

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



78.8015, 84.7125, 71.2305



93.0011, 98.4607, 100.3293



71.2101, 68.4551, 72.0133



19.8257, 21.0137, 21.1405



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.



78.8015, 84.7125, 71.2305



86.5229, 93.3922, 73.8528



76.0756, 85.4963, 71.5255



17.7072, 18.8985, 17.5121



32.9129, 35.7113, 5.1583



2.9456, 3.2444, 0.4710



# Inverse Universe

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



65.4531, 66.8221, 94.2429



68.7927, 69.6298, 104.4219



67.8858, 66.2512, 94.0045



15.7666, 16.2974, 20.8573



9.2445, 4.2827, 46.8774

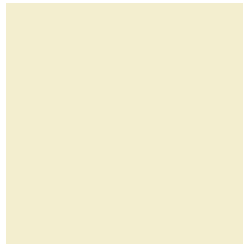


0.8687, 0.4888, 4.1388



# Previews

## White Background



This preview shows how the XYZ color 78.7992, 84.7088, 71.2287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

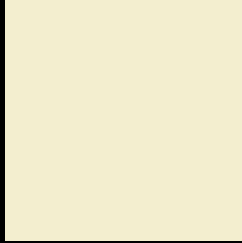
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7992, 84.7088, 71.2287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

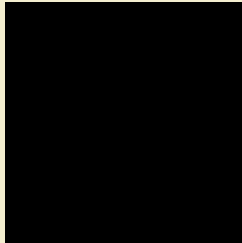
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

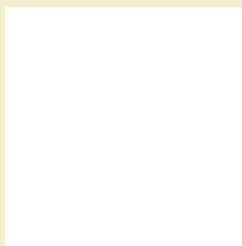
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.7992, 84.7088, 71.2287**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.7992, 84.7088, 71.2287.



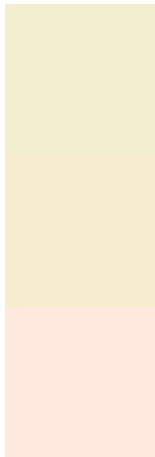
This preview shows how white text looks on a background with the XYZ color 78.7992, 84.7088,



# 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

78.7992, 84.7088, 71.2287

### Protanopia

79.8474, 84.4036, 70.4756

### Deuteranopia

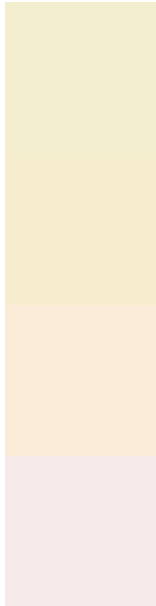
83.6982, 84.8655, 81.7814



## Tritanopia

85.1789, 84.7551, 102.3124

# Trichromacy



## Original Color

78.7992, 84.7088, 71.2287

## Protanomaly

79.4308, 84.6174, 70.5389

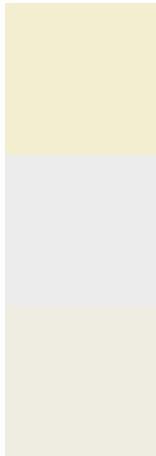
## Deuteranomaly

82.0164, 84.9356, 77.7171

## Tritanomaly

82.6319, 84.5603, 89.8085

# Monochromacy



## Original Color

78.7992, 84.7088, 71.2287

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.4714, 84.3553, 83.3278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7992, 84.7088, 71.2287 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(243, 238, 207)` looks like.

```
.text, #text, p{  
    color:rgb(243, 238, 207)  
}
```

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(243, 238, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 238, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7992, 84.7088, 71.2287 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(243, 238, 207) }
```



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

```
.border{ border-color:rgb(243, 238, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 238, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 238, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 238, 207); box-shadow:4px 4px 4px 4px rgb(243, 238, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7992, 84.7088, 71.2287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 238, 207) }
```

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

```
.background{ background-color: rgb(243,  
238, 207) }
```

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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