

# Converting Colors

XYZ(80.0578, 83.4211, 67.8603)

Have a look what the booklet for  
XYZ(80.0578, 83.4211, 67.8603)  
contains.

<b>XYZ(79.9445, 83.2375, 67.7300)</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(79.9445, 83.2375,  
67.7300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE9CA
RGB	252, 233, 202
RGB Percent	99%, 91%, 79%
CMY	0.0118, 0.0863, 0.2078
CMYK	0.00, 0.08, 0.20, 0.01
HSL	37°, 89%, 89%
HSV	37°, 20%, 99%
XYZ	79.9445, 83.2375, 67.7300
YIQ	235.1470, 21.2750, -5.6130

# Conversions

## Conversions Part 2

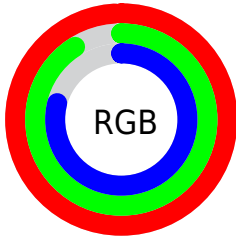
Format	Color
R <sub>Y</sub> B	233, 252, 202
Decimal	16574922
CIE Lab	93.12, 1.64, 17.41
CIE LCh	93, 17.484, 84.623
Yxy	83.2375, 0.3462, 0.3605
Android (android.graphics.Color)	4294765002 (0xFFFC9CA)
YUV	235.1470, -16.3415, 14.7801
Hunter-Lab	91.2346, -3.2495, 19.8490

# Details

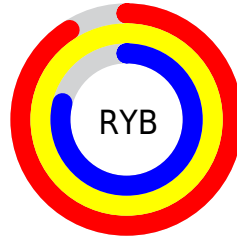
The XYZ color **79.9445, 83.2375, 67.7300** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.7840, 71.2962, 102.2851**, and the grayscale version is **79.1886, 83.3126, 90.7274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5731, 45.1845, 34.4419** is the 20% darker color. If you saturate the color by 10%, you get **74.5646, 76.8688, 52.3986**, and if you desaturate by 10%, it is **85.9632, 90.1027, 85.6800**.

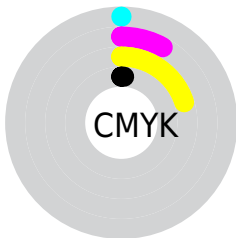
# Distribution



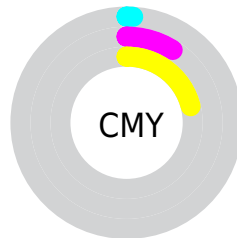
- Red (99%)
- Green (91%)
- Blue (79%)



- Red (91%)
- Yellow (99%)
- Blue (79%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (1%)



- Cyan (1%)
- Magenta (9%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9445, 83.2375, 67.7300 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 79.9445, 83.2375, 67.7300 by changing the saturation by 10% instead.




 79.9445, 83.2375,  
67.7300

 79.9445, 83.2375,  
67.7300


483.4852,  
505.7777, 471.1109

 59.9810, 62.3861,  
49.2128


132.2386,  
137.9081, 117.6164

 43.6527, 45.3447,  
34.4215


165.3000,  
172.4960, 149.8226

 30.5943, 31.7291,  
22.9376


203.4580,  
212.4316, 187.4289

 20.4404, 21.1546,  
14.3426

247.0780,  
258.0992, 230.8539

 12.8257, 13.2371,  
8.2179

296.5253,  
309.8832, 280.5160

 7.3848, 7.5920,  
4.1449

352.1654,

 3.7524, 3.8350,

368.1680, 336.8339

1.7052

414.3636,  
433.3381, 400.2260

■ 1.5630, 1.5817,  
0.3643

■ 0.3681, 0.3452,  
0.0000

■ 79.9445, 83.2375,  
67.7300

■ 79.9445, 83.2375,  
67.7300

■ 74.5646, 76.8688,  
52.3986

■ 85.9632, 90.1027,  
85.6800

■ 69.7910, 70.9713,  
39.5554

■ 92.6382, 97.4665,  
106.3602

■ 65.5978, 65.5339,  
29.0667

■ 93.9552, 99.4356,  
108.8488

■ 61.9546, 60.5403,  
20.7838

■ 58.8276, 55.9732,  
14.5411

■ 56.1785, 51.8131,  
10.1490

■ 53.9618, 48.0376,  
7.3822

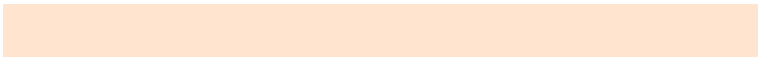
■ 52.1060, 44.6138,  
5.8765

■ 52.0782, 44.5616,  
5.8564

# Harmonies

## Analogous

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



84.3337, 83.2375, 71.5503



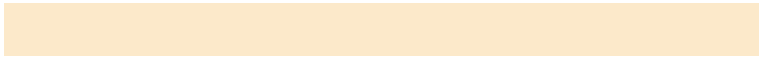
79.9445, 83.2375, 67.7300



75.4954, 83.2375, 69.5465

# Triad

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



79.9445, 83.2375, 67.7300



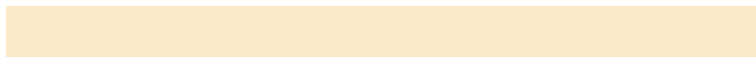
71.3619, 83.2375, 101.5723



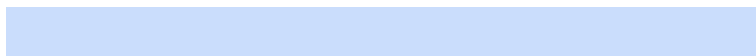
86.5289, 83.2375, 106.0623

# Complementary

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



79.9445, 83.2375, 67.7300



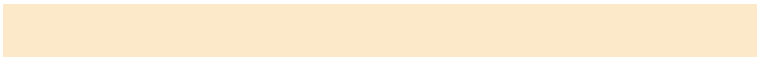
67.7840, 71.2962, 102.2851

# Split Complementary

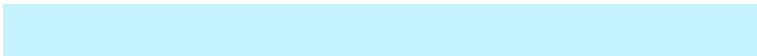
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8480, 83.2375, 115.5979



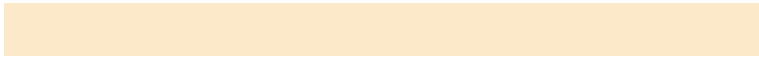
79.9445, 83.2375, 67.7300



74.1157, 83.2375, 112.8350

# Square

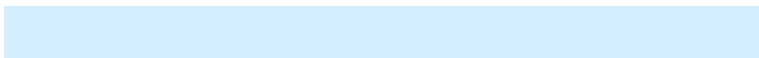
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9445, 83.2375, 67.7300



70.6516, 83.2375, 88.2840



78.2908, 83.2375, 118.1884

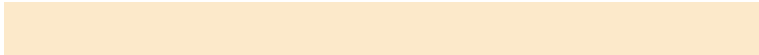


88.2281, 83.2375, 93.0203

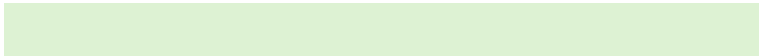


# Rectangle

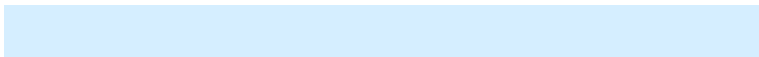
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9445, 83.2375, 67.7300



73.0776, 83.2375, 73.8100



78.2908, 83.2375, 118.1884



85.4756, 83.2375, 109.8323

# Sweetspot

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



79.9467, 83.2412, 67.7318



90.8573, 95.4008, 95.8301



74.3397, 68.1669, 77.7635



19.3527, 20.3150, 20.2204



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.



79.9467, 83.2412, 67.7318



79.7414, 82.7186, 62.6847



83.5364, 93.5089, 69.5244



18.1411, 19.0181, 18.1771



27.2746, 23.5059, 3.0996



2.6283, 2.3815, 0.3211



# Inverse Universe

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



67.7840, 71.2962, 102.2851



65.0726, 68.3144, 104.3640



64.6578, 62.6562, 100.7822



16.8235, 17.7237, 21.9196



11.4500, 8.2556, 48.9636

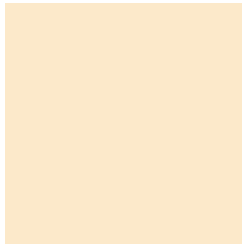


1.1591, 0.9619, 4.5677



# Previews

## White Background



This preview shows how the XYZ color 79.9445, 83.2375, 67.7300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

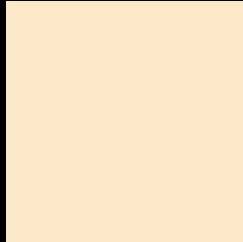
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9445, 83.2375, 67.7300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

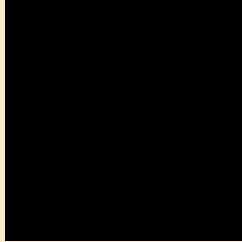
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.9445, 83.2375, 67.7300**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9445, 83.2375, 67.7300.



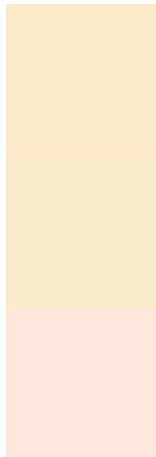
This preview shows how white text looks on a background with the XYZ color 79.9445, 83.2375,

67.7300.

# 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

79.9445, 83.2375, 67.7300

### Protanopia

78.8456, 83.5026, 68.4619

### Deuteranopia

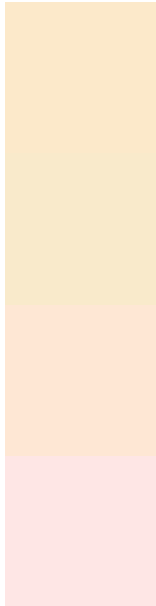
82.1917, 82.9156, 78.0020



## Tritanopia

85.3125, 83.2785, 97.1658

# Trichromacy



## Original Color

79.9445, 83.2375, 67.7300

## Protanomaly

79.2692, 83.2972, 68.3999

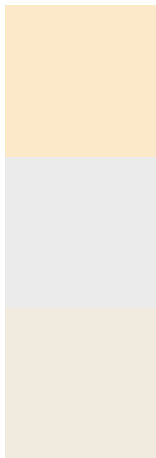
## Deuteranomaly

81.3326, 82.9761, 74.0167

## Tritanomaly

83.3127, 83.3216, 85.8204

# Monochromacy



## Original Color

79.9445, 83.2375, 67.7300

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.0177, 82.8741, 81.6437

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9445, 83.2375, 67.7300 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(252, 233, 202)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 202)  
}
```

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(252, 233, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9445, 83.2375, 67.7300 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(252, 233, 202) }
```



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

```
.border{ border-color:rgb(252, 233, 202) }
```

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

Here you see how a box with a 4 pixel rgb(252, 233, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 202);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9445, 83.2375, 67.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 202) }
```

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

```
.background{ background-color: rgb(252,  
233, 202) }
```

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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