

# Converting Colors

XYZ(79.4354, 83.6616, 66.5800)

Have a look what the booklet for  
XYZ(79.4354, 83.6616, 66.5800)  
contains.

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# Color

**XYZ(79.5580, 83.9108,  
66.6468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEBC8
RGB	250, 235, 200
RGB Percent	98%, 92%, 78%
CMY	0.0196, 0.0784, 0.2157
CMYK	0.00, 0.06, 0.20, 0.02
HSL	42°, 83%, 88%
HSV	42°, 20%, 98%
XYZ	79.5580, 83.9108, 66.6468
YIQ	235.4950, 20.1750, -7.7050

# Conversions

## Conversions Part 2

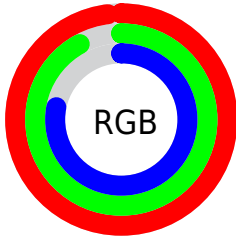
Format	Color
R <sub>Y</sub> B	221, 250, 200
Decimal	16444360
CIE Lab	93.41, -0.39, 18.83
CIE LCh	93, 18.832, 91.181
Yxy	83.9108, 0.3457, 0.3646
Android (android.graphics.Color)	4294634440 (0xFFFAEBC8)
YUV	235.4950, -17.4990, 12.7209
Hunter-Lab	91.6028, -5.2759, 20.9848

# Details

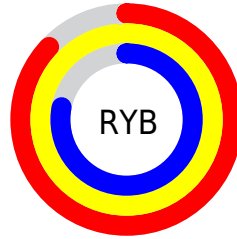
The XYZ color **79.5580, 83.9108, 66.6468** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3748, 67.7808, 100.0804**, and the grayscale version is **79.4634, 83.6016, 91.0422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3007, 45.6530, 33.7238** is the 20% darker color. If you saturate the color by 10%, you get **74.7711, 78.6363, 51.7958**, and if you desaturate by 10%, it is **84.9177, 89.5649, 84.0477**.

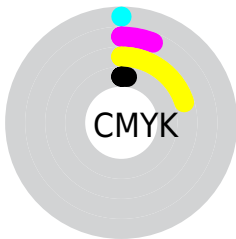
# Distribution



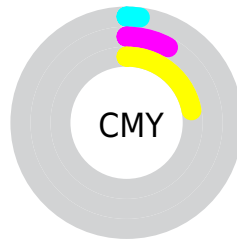
- Red (98%)
- Green (92%)
- Blue (78%)



- Red (87%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5580, 83.9108, 66.6468 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 79.5580, 83.9108, 66.6468 by changing the saturation by 10% instead.



79.5580, 83.9108,  
66.6468

79.5580, 83.9108,  
66.6468

482.2013,  
508.0170, 467.1537

59.6619, 62.9418,  
48.3379

131.6979,  
138.8504, 116.0500

43.3946, 45.7941,  
33.7326

164.6725,  
173.5898, 147.9813

30.3907, 32.0834,  
22.4126

202.7372,  
213.6881, 185.2906

20.2849, 21.4252,  
13.9592

246.2575,  
259.5296, 228.3962

12.7118, 13.4352,  
7.9538

295.5987,  
311.4989, 277.7168

7.3060, 7.7289,  
3.9781

351.1261,

3.7022, 3.9220,

369.9803, 333.6709

1.6133

413.2052,  
435.3582, 396.6770

■ 1.5351, 1.6300,  
0.3003

■ 0.3495, 0.3777,  
0.0000

■ 79.5580, 83.9108,  
66.6468

■ 79.5580, 83.9108,  
66.6468

■ 74.7711, 78.6363,  
51.7958

■ 84.9177, 89.5649,  
84.0477

■ 70.5259, 73.7186,  
39.3669

■ 90.8661, 95.5982,  
104.1073

■ 66.7985, 69.1492,  
29.2291

■ 93.2346, 99.0641,  
108.8150

■ 63.5602, 64.9148,  
21.2368

■ 60.7790, 61.0008,  
15.2278

■ 58.4185, 57.3908,  
11.0163

■ 56.4356, 54.0654,  
8.3810

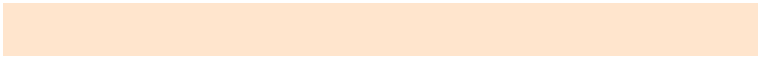
■ 54.7598, 50.9946,  
6.9568

■ 54.7597, 50.9944,  
6.9568

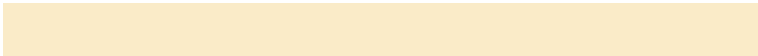
# Harmonies

## Analogous

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



84.4497, 83.9108, 69.4262



79.5580, 83.9108, 66.6468



74.9096, 83.9108, 69.8967

# Triad

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



79.5580, 83.9108, 66.6468



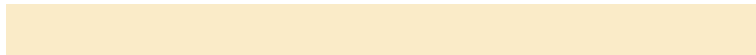
71.8565, 83.9108, 106.2765



88.4221, 83.9108, 105.2001

# Complementary

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



79.5580, 83.9108, 66.6468



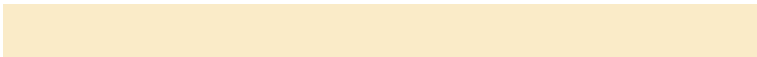
65.3748, 67.7808, 100.0804

# Split Complementary

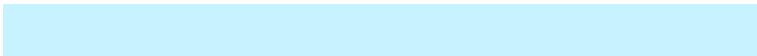
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8044, 83.9108, 116.8314



79.5580, 83.9108, 66.6468



75.2370, 83.9108, 117.4969

# Square

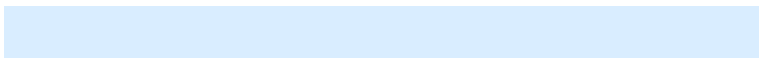
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5580, 83.9108, 66.6468



70.5785, 83.9108, 91.9295



79.9517, 83.9108, 121.5435

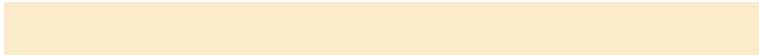


89.6936, 83.9108, 90.8020

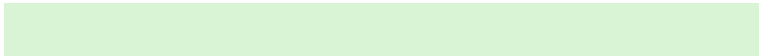


# Rectangle

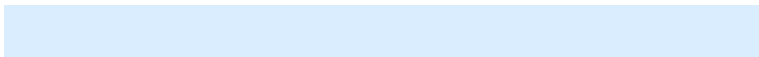
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5580, 83.9108, 66.6468



72.5398, 83.9108, 75.2625



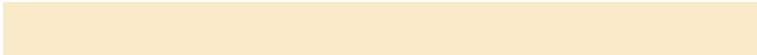
79.9517, 83.9108, 121.5435



87.4329, 83.9108, 109.6137

# Sweetspot

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



79.5602, 83.9146, 66.6486



91.2373, 96.1608, 95.9568



72.3452, 66.5399, 73.3215



19.4426, 20.4948, 20.2504



0.0000, 0.0000, 0.0000

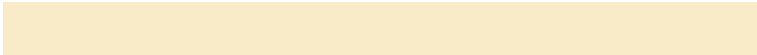


20.3446, 21.4041, 23.3091

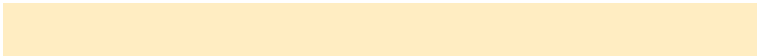


# Same Dimension

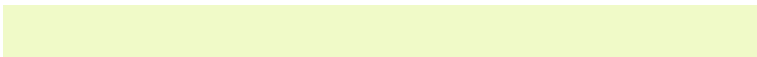
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5602, 83.9146, 66.6486



81.1371, 85.5099, 63.1499



80.5468, 91.0672, 67.9772



18.2622, 19.2603, 18.2175



29.1781, 27.3128, 3.7340



2.7951, 2.7151, 0.3767



# Inverse Universe

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



65.3748, 67.7808, 100.0804



63.8287, 65.8267, 103.9494



64.4889, 61.9135, 98.9946



16.7073, 17.4915, 21.8809



10.5957, 6.5470, 48.6788

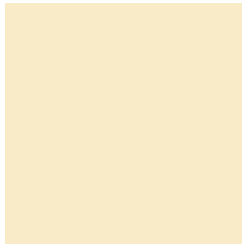


1.0698, 0.7832, 4.5380



# Previews

## White Background



This preview shows how the XYZ color 79.5580, 83.9108, 66.6468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

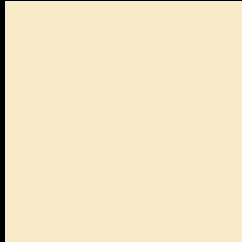
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5580, 83.9108, 66.6468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

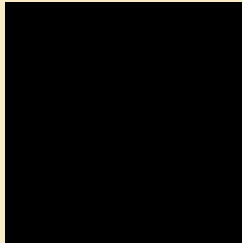
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.5580, 83.9108, 66.6468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.5580, 83.9108, 66.6468.



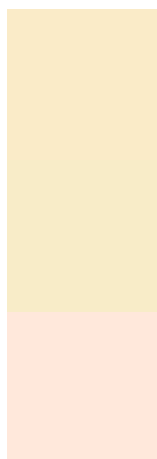
This preview shows how white text looks on a background with the XYZ color 79.5580, 83.9108,



# 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

79.5580, 83.9108, 66.6468

### Protanopia

79.1322, 84.1175, 66.7092

### Deuteranopia

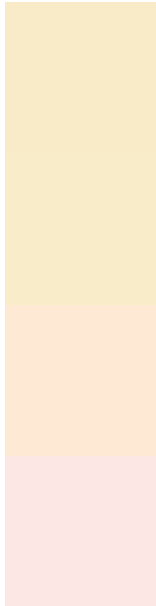
82.8828, 84.0877, 78.8800



## Tritanopia

85.8939, 83.9524, 98.8661

# Trichromacy



## Original Color

79.5580, 83.9108, 66.6468

## Protanomaly

79.4877, 84.3008, 66.7258

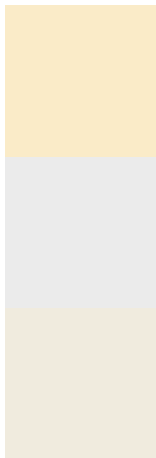
## Deuteranomaly

81.5306, 83.9139, 74.1872

## Tritanomaly

83.2268, 83.6916, 85.8963

# Monochromacy



## Original Color

79.5580, 83.9108, 66.6468

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.8283, 83.2159, 81.0148

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5580, 83.9108, 66.6468 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(250, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 235, 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(250, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 235, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5580, 83.9108, 66.6468 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(250, 235, 200) }
```



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

```
.border{ border-color:rgb(250, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 235,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5580, 83.9108, 66.6468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 235, 200) }
```

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

```
.background{ background-color: rgb(250,  
235, 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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