

Converting Colors

XYZ(78.8138, 84.2770, 51.8516)

Have a look what the booklet for
XYZ(78.8138, 84.2770, 51.8516)
contains.

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Color

**XYZ(78.7783, 84.2680,
51.6485)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECAD
RGB	255, 236, 173
RGB Percent	100%, 93%, 68%
CMY	0.0000, 0.0745, 0.3216
CMYK	0.00, 0.07, 0.32, 0.00
HSL	46°, 100%, 84%
HSV	46°, 32%, 100%
XYZ	78.7783, 84.2680, 51.6485
YIQ	234.4990, 31.5470, -15.5650

Conversions

Conversions Part 2

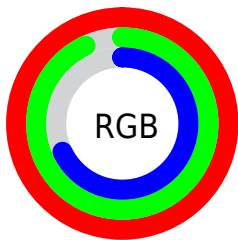
Format	Color
R _Y B	198, 255, 173
Decimal	16772269
CIE Lab	93.57, -2.60, 32.93
CIE LCh	94, 33.033, 94.516
Yxy	84.2680, 0.3669, 0.3925
Android (android.graphics.Color)	4294962349 (0xFFFFECADE)
YUV	234.4990, -30.3190, 17.9794
Hunter-Lab	91.7976, -7.4618, 30.8997

Details

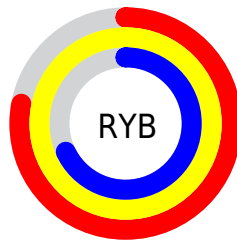
The XYZ color **78.7783, 84.2680, 51.6485** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.1328, 53.8020, 102.1395**, and the grayscale version is **78.7928, 82.8962, 90.2739**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **42.7374, 45.8689, 24.3704** is the 20% darker color. If you saturate the color by 10%, you get **74.8705, 80.0315, 39.3124**, and if you desaturate by 10%, it is **83.2174, 88.8130, 66.4869**.

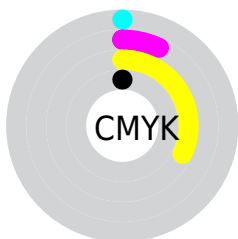
Distribution



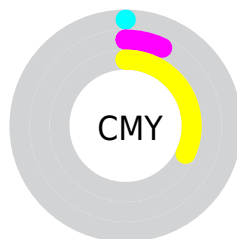
- Red (100%)
- Green (93%)
- Blue (68%)



- Red (78%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (7%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7783, 84.2680, 51.6485 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 78.7783, 84.2680, 51.6485 by changing the saturation by 10% instead.


 78.7783, 84.2680,
51.6485

 78.7783, 84.2680,
51.6485


479.6055,
509.2028, 409.9964

 59.0185, 63.2367,
36.3447


 130.6063,
139.3500, 94.0339

 42.8745, 46.0327,
24.4087


163.4052,
174.1695, 121.9526

 29.9807, 32.2717,
15.4221


201.2813,
214.3539, 154.9134

 19.9720, 21.5691,
8.9662

244.5998,
260.2876, 193.3347

 12.4828, 13.5406,
4.6227

293.7261,
312.3549, 237.6351

 7.1479, 7.8019,
1.9728

349.0256,

 3.6019, 3.9684,

370.9403, 288.2331

0.5385

410.8636,
436.4281, 345.5474

■ 1.4795, 1.6559,
0.0000

■ 0.3118, 0.3949,
0.0000

■ 78.7783, 84.2680,
51.6485

■ 78.7783, 84.2680,
51.6485

■ 74.8705, 80.0315,
39.3124

■ 83.2174, 88.8130,
66.4869

■ 71.4605, 76.0803,
29.3317

■ 88.2069, 93.6660,
83.9530

■ 68.5202, 72.4052,
21.5522

■ 93.7724, 98.8411,
104.1698

■ 66.0159, 68.9919,
15.7990

95.0500, 100.0000,
108.9000

■ 63.9087, 65.8239,
11.8706

■ 62.1519, 62.8818,
9.5236

■ 60.9648, 60.7095,
8.5049

Harmonies

Analogous

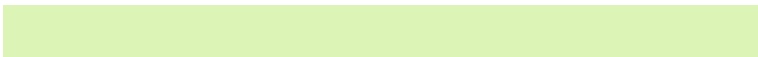
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5453, 84.2680, 54.8015



78.7783, 84.2680, 51.6485



70.9435, 84.2680, 57.5332

Triad

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



78.7783, 84.2680, 51.6485



67.0288, 84.2680, 121.8186



96.2436, 84.2680, 114.0607

Complementary

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



78.7783, 84.2680, 51.6485



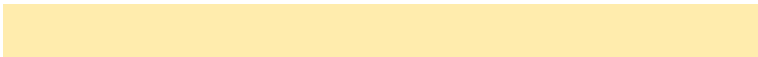
54.1328, 53.8020, 102.1395

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.



89.9998, 84.2680, 137.4025



78.7783, 84.2680, 51.6485



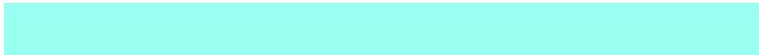
73.0783, 84.2680, 142.4225

Square

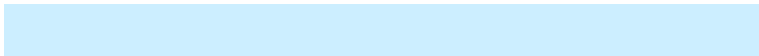
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7783, 84.2680, 51.6485



64.4809, 84.2680, 95.5954



81.4247, 84.2680, 148.5875



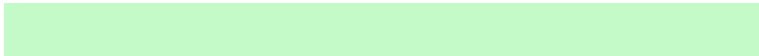
98.0441, 84.2680, 88.0160

Rectangle

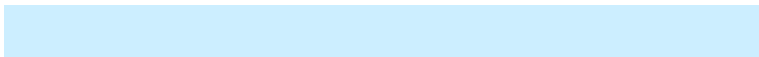
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7783, 84.2680, 51.6485



67.1737, 84.2680, 66.5534



81.4247, 84.2680, 148.5875



94.5736, 84.2680, 122.6258

Sweetspot

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



78.7803, 84.2718, 51.6502



89.3573, 94.7542, 88.0750



65.7134, 54.9598, 57.0925



18.9650, 20.1291, 18.2734



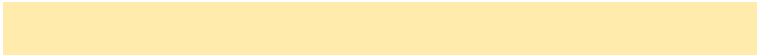
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

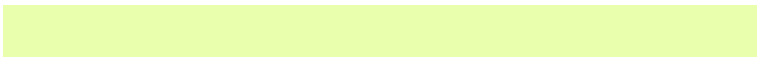
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7803, 84.2718, 51.6502



76.0491, 81.3379, 42.9446



76.9511, 91.8834, 53.2159



19.1835, 20.3353, 19.0584



31.9747, 31.9606, 4.4838



3.1957, 3.2768, 0.4641

Inverse Universe

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



54.1328, 53.8020, 102.1395



47.7107, 46.3177, 101.0333



55.4657, 48.6926, 101.0830



17.3444, 18.0604, 22.8218



10.3434, 5.5964, 49.9696



1.0859, 0.7024, 4.8916

Previews

White Background



This preview shows how the XYZ color 78.7783, 84.2680, 51.6485 looks on a white background.

Color Contrast Check

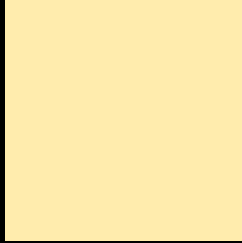
Large Text (above 18pt) WCAG AA × Fail

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 78.7783, 84.2680, 51.6485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

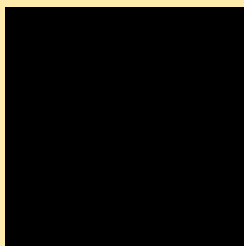
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7783, 84.2680, 51.6485

Background



This preview shows how black text looks on a background with the XYZ color 78.7783, 84.2680, 51.6485.



This preview shows how white text looks on a background with the XYZ color 78.7783, 84.2680,

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

78.7783, 84.2680, 51.6485

Protanopia

78.4113, 84.0789, 51.6313

Deuteranopia

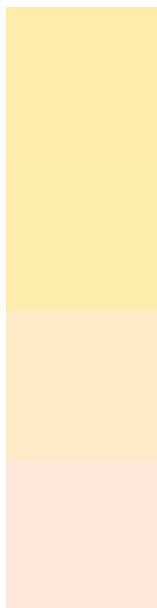
82.5165, 84.3929, 75.5587



Tritanopia

85.5638, 84.2644, 95.7594

Trichromacy



Original Color

78.7783, 84.2680, 51.6485

Protanomaly

78.4113, 84.0789, 51.6313

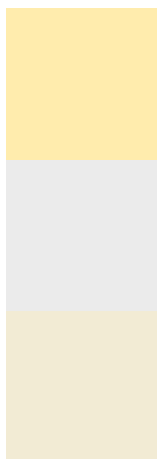
Deuteranomaly

80.9716, 84.2292, 66.0230

Tritanomaly

82.6210, 83.9830, 77.5014

Monochromacy



Original Color

78.7783, 84.2680, 51.6485

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2099, 83.0474, 74.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7783, 84.2680, 51.6485 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, 236, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 173)  
}
```

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, 236, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 173) }
```

Border

The CSS property to change the border of an element to XYZ 78.7783, 84.2680, 51.6485 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, 236, 173) }
```


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

```
.border{ border-color:rgb(255, 236, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7783, 84.2680, 51.6485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 173) }
```

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

```
.background{ background-color: rgb(255,  
236, 173) }
```

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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