

# Converting Colors

XYZ(78.4808, 84.0225, 55.7977)

Have a look what the booklet for  
XYZ(78.4808, 84.0225, 55.7977)  
contains.

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# Color

**XYZ(78.4808, 84.0225,  
55.7977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCECB5
RGB	252, 236, 181
RGB Percent	99%, 93%, 71%
CMY	0.0118, 0.0745, 0.2902
CMYK	0.00, 0.06, 0.28, 0.01
HSL	46°, 92%, 85%
HSV	46°, 28%, 99%
XYZ	78.4808, 84.0225, 55.7977
YIQ	234.5140, 27.1910, -13.7130

# Conversions

## Conversions Part 2

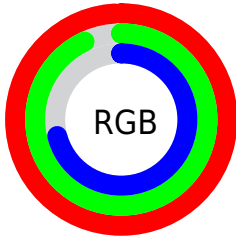
Format	Color
R <sub>Y</sub> B	202, 252, 181
Decimal	16575669
CIE Lab	93.46, -2.73, 28.68
CIE LCh	93, 28.807, 95.445
Yxy	84.0225, 0.3595, 0.3849
Android (android.graphics.Color)	4294765749 (0xFFFCECB5)
YUV	234.5140, -26.3824, 15.3352
Hunter-Lab	91.6638, -7.5833, 28.0736

# Details

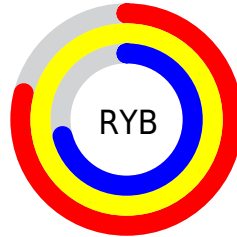
The XYZ color **78.4808, 84.0225, 55.7977** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.5927, 56.7831, 100.0732**, and the grayscale version is **78.7776, 82.8802, 90.2565**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **42.7232, 45.8031, 27.0112** is the 20% darker color. If you saturate the color by 10%, you get **74.5176, 79.8662, 42.8530**, and if you desaturate by 10%, it is **82.9681, 88.4774, 71.2264**.

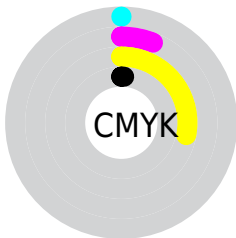
# Distribution



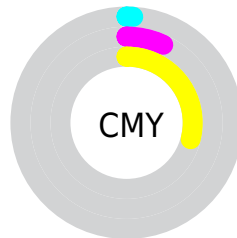
- Red (99%)
- Green (93%)
- Blue (71%)



- Red (79%)
- Yellow (99%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (28%)
- Black (1%)




- Cyan (1%)
- Magenta (7%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4808, 84.0225, 55.7977 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 78.4808, 84.0225, 55.7977 by changing the saturation by 10% instead.





 78.4808, 84.0225,  
55.7977

 78.4808, 84.0225,  
55.7977


478.6130,  
508.3880, 426.2955

 58.7732, 63.0340,  
39.6378


 130.1895,  
139.0066, 100.1916

 42.6762, 45.8687,  
26.9447


162.9212,  
173.7711, 129.2627

 29.8246, 32.1422,  
17.2996


200.7251,  
213.8963, 163.4746

 19.8529, 21.4702,  
10.2841

243.9663,  
259.7667, 203.2459

 12.3958, 13.4681,  
5.4797

293.0104,  
311.7667, 248.9951

 7.0879, 7.7517,  
2.4677

348.2227,

 3.5640, 3.9365,

370.2806, 301.1407

0.8230

409.9684,  
435.6929, 360.1014

■ 1.4585, 1.6381,  
0.0000

■ 0.2974, 0.3831,  
0.0000

■ 78.4808, 84.0225,  
55.7977

■ 78.4808, 84.0225,  
55.7977

■ 74.5176, 79.8662,  
42.8530

■ 82.9681, 88.4774,  
71.2264

■ 71.0462, 75.9861,  
32.2539

■ 87.9967, 93.2298,  
89.2568

■ 68.0407, 72.3740,  
23.8567

■ 93.3319, 98.1894,  
108.6411

■ 65.4699, 69.0166,  
17.4995

■ 93.9550, 99.4355,  
108.8488

■ 63.2984, 65.8989,  
12.9983

■ 61.4844, 63.0034,  
10.1354

■ 59.9706, 60.3065,  
8.6117

■ 59.7120, 59.8294,  
8.4011

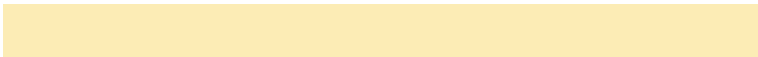
# Harmonies

## Analogous

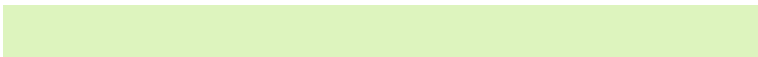
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0953, 84.0225, 58.4268



78.4808, 84.0225, 55.7977



71.6745, 84.0225, 61.4248

# Triad

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



78.4808, 84.0225, 55.7977



68.5267, 84.0225, 117.9954



93.9186, 84.0225, 110.0234

# Complementary

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



78.4808, 84.0225, 55.7977



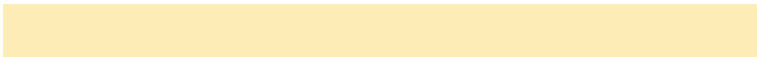
56.5927, 56.7831, 100.0732

# 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.



88.6479, 84.0225, 130.0358



78.4808, 84.0225, 55.7977



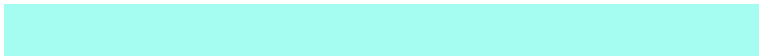
73.9349, 84.0225, 135.1264

# Square

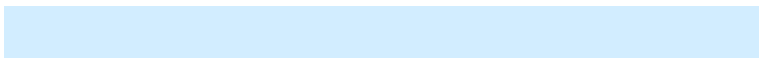
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4808, 84.0225, 55.7977



66.1660, 84.0225, 95.5195



81.2570, 84.0225, 139.8490



95.3260, 84.0225, 87.5681

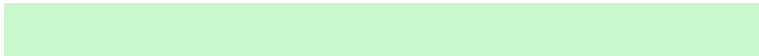


# Rectangle

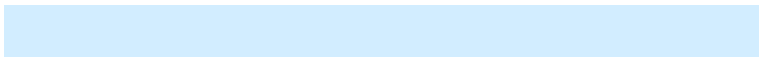
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4808, 84.0225, 55.7977



68.4091, 84.0225, 69.7222



81.2570, 84.0225, 139.8490



92.5243, 84.0225, 117.3647

# Sweetspot

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



78.4830, 84.0263, 55.7995



90.4891, 95.8579, 92.0277



66.8126, 57.8015, 60.8008



19.1938, 20.3557, 19.0618



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

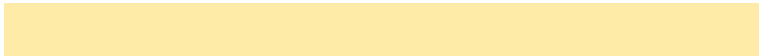


# Same Dimension

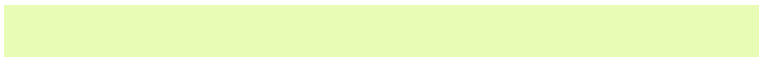
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4830, 84.0263, 55.7995



78.1786, 83.7838, 49.2439



76.7775, 90.2923, 57.0988



18.3763, 19.4885, 18.2555



31.2203, 31.3972, 4.4148



2.9699, 3.0647, 0.4350



# Inverse Universe

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



56.5927, 56.7831, 100.0732



52.2096, 51.4722, 101.7911



57.8971, 52.3474, 99.1482



16.6002, 17.2772, 21.8452



9.9989, 5.3534, 48.4799



1.0019, 0.6475, 4.5153



# Previews

## White Background



This preview shows how the XYZ color 78.4808, 84.0225, 55.7977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

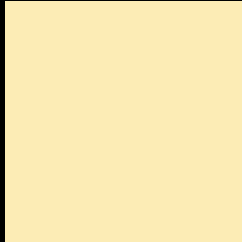
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4808, 84.0225, 55.7977 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 78.4808, 84.0225, 55.7977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4808, 84.0225, 55.7977.



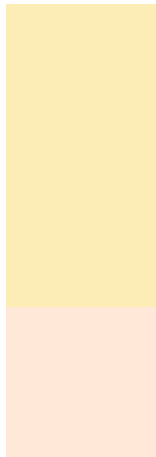
This preview shows how white text looks on a background with the XYZ color 78.4808, 84.0225,



# 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

78.4808, 84.0225, 55.7977

### Protanopia

78.4808, 84.0225, 55.7977

### Deuteranopia

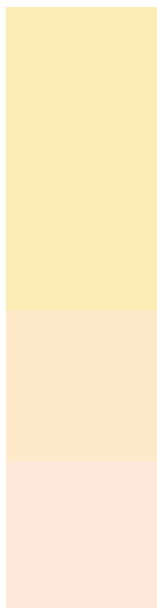
82.3624, 83.8795, 76.1394



## Tritanopia

85.4370, 83.7697, 96.4602

# Trichromacy



## Original Color

78.4808, 84.0225, 55.7977

## Protanomaly

78.4808, 84.0225, 55.7977

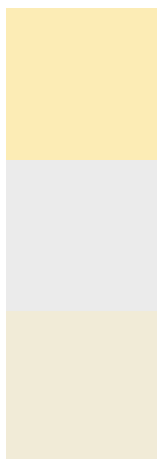
## Deuteranomaly

80.7915, 83.6605, 68.3898

## Tritanomaly

82.6479, 83.9514, 79.5584

# Monochromacy



## Original Color

78.4808, 84.0225, 55.7977

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.2497, 83.0237, 76.1910

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.4808, 84.0225, 55.7977 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, 236, 181)` looks like.

```
.text, #text, p{  
    color:rgb(252, 236, 181)  
}
```

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, 236, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 236, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4808, 84.0225, 55.7977 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, 236, 181) }
```



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

```
.border{ border-color:rgb(252, 236, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 236, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 236, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 236, 181); box-shadow:4px 4px 4px 4px rgb(252, 236, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4808, 84.0225, 55.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 236, 181) }
```

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

```
.background{ background-color: rgb(252,  
236, 181) }
```

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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