

Converting Colors

XYZ(80.1661, 81.6736, 68.6661)

Have a look what the booklet for
XYZ(80.1661, 81.6736, 68.6661)
contains.

XYZ(80.1584, 81.6583, 68.6636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.1584, 81.6583,
68.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5CC
RGB	255, 229, 204
RGB Percent	100%, 90%, 80%
CMY	0.0000, 0.1019, 0.2000
CMYK	0.00, 0.10, 0.20, 0.00
HSL	29°, 100%, 90%
HSV	29°, 20%, 100%
XYZ	80.1584, 81.6583, 68.6636
YIQ	233.9240, 23.5210, -2.2630

Conversions

Conversions Part 2

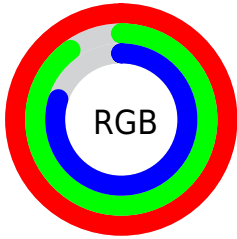
Format	Color
R _Y B	255, 253, 204
Decimal	16770508
CIE Lab	92.42, 5.05, 15.43
CIE LCh	92, 16.235, 71.868
Yxy	81.6583, 0.3478, 0.3543
Android (android.graphics.Color)	4294960588 (0xFFFFE5CC)
YUV	233.9240, -14.7525, 18.4837
Hunter-Lab	90.3650, 0.2000, 18.2041

Details

The XYZ color **80.1584, 81.6583, 68.6636** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.2479, 76.6487, 105.6473**, and the grayscale version is **78.2466, 82.3215, 89.6482**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9298, 44.4799, 35.1243** is the 20% darker color. If you saturate the color by 10%, you get **73.8846, 73.6109, 52.6983**, and if you desaturate by 10%, it is **87.2063, 90.4517, 87.3593**.

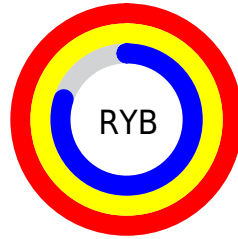
Distribution



Red (100%)

Green (90%)

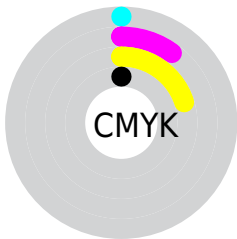
Blue (80%)



Red (100%)

Yellow (99%)

Blue (80%)

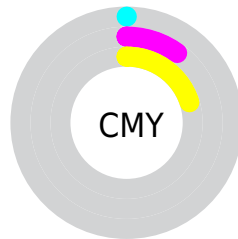


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1584, 81.6583, 68.6636 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 80.1584, 81.6583, 68.6636 by changing the saturation by 10% instead.


 80.1584, 81.6583,
68.6636

 80.1584, 81.6583,
68.6636


484.1949,
500.5040, 474.5054

 60.1576, 61.0839,
49.9677

132.5378,
135.6947, 118.9641

 43.7956, 44.2929,
35.0168


165.6471,
169.9255, 151.4059

 30.7071, 30.9008,
23.3921


203.8566,
209.4773, 189.2667

 20.5266, 20.5234,
14.6753

247.5317,
254.7344, 232.9651

 12.8889, 12.7760,
8.4477

297.0377,
306.0812, 282.9196

 7.4286, 7.2745,
4.2909

352.7400,

 3.7802, 3.6344,

363.9022, 339.5488

1.7863

415.0040,
428.5816, 403.2712

■ 1.5786, 1.4712,
0.4189

■ 0.3784, 0.2683,
0.0000

■ 80.1584, 81.6583,
68.6636

■ 80.1584, 81.6583,
68.6636

■ 73.8846, 73.6109,
52.6983

■ 87.2063, 90.4517,
87.3593

■ 68.3486, 66.2774,
39.3282

95.0500, 100.0000,
108.9000

■ 63.5202, 59.6386,
28.4141

■ 59.3639, 53.6704,
19.8015

■ 55.8411, 48.3469,
13.3180

■ 52.9078, 43.6395,
8.7669

■ 50.5131, 39.5166,
5.9135

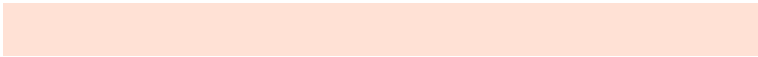
■ 48.5772, 35.9343,
4.3758

■ 48.5771, 35.9341,
4.3757

Harmonies

Analogous

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



83.7946, 81.6583, 74.3296



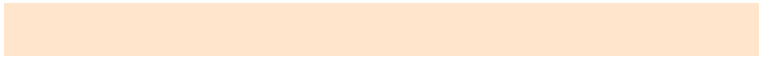
80.1584, 81.6583, 68.6636



75.9621, 81.6583, 68.1136

Triad

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



80.1584, 81.6583, 68.6636



69.9639, 81.6583, 93.7618



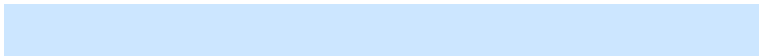
83.1385, 81.6583, 107.3031

Complementary

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



80.1584, 81.6583, 68.6636



71.2479, 76.6487, 105.6473

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.



79.2892, 81.6583, 113.5641



80.1584, 81.6583, 68.6636



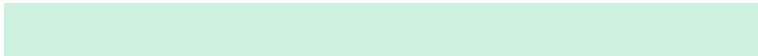
71.7446, 81.6583, 105.2868

Square

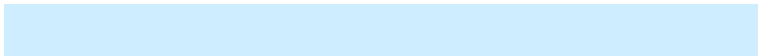
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1584, 81.6583, 68.6636



70.1776, 81.6583, 81.8957



75.1236, 81.6583, 112.7946



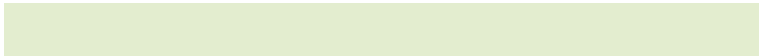
85.5575, 81.6583, 96.3180

Rectangle

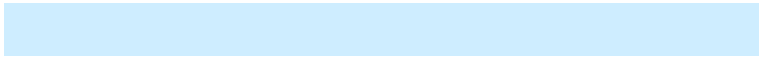
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1584, 81.6583, 68.6636



73.4210, 81.6583, 70.6534



75.1236, 81.6583, 112.7946



81.9632, 81.6583, 110.0728

Sweetspot

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



80.1604, 81.6619, 68.6653



90.2461, 94.1784, 95.6264



77.1656, 70.1795, 84.6005



19.2082, 20.0260, 20.1723



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.



80.1604, 81.6619, 68.6653



77.5588, 78.3534, 61.9572



87.6287, 96.5986, 71.1548



18.7447, 19.4576, 18.9121



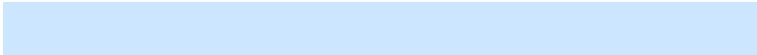
25.5311, 19.0734, 2.3359



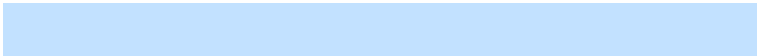
2.5948, 2.0751, 0.2638

Inverse Universe

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



71.2479, 76.6487, 105.6473



67.1703, 72.5098, 105.0633



64.7482, 63.6494, 103.4807



17.7685, 18.9085, 22.9632



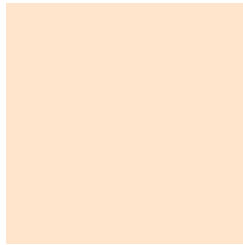
13.7507, 12.4109, 51.1054



1.4482, 1.4271, 5.0124

Previews

White Background



This preview shows how the XYZ color 80.1584, 81.6583, 68.6636 looks on a white background.

Color Contrast Check

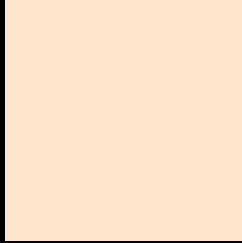
Large Text (above 18pt) WCAG AA × Fail

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 80.1584, 81.6583, 68.6636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

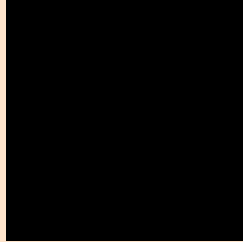
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1584, 81.6583, 68.6636

Background



This preview shows how black text looks on a background with the XYZ color 80.1584, 81.6583, 68.6636.



This preview shows how white text looks on a background with the XYZ color 80.1584, 81.6583,

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

80.1584, 81.6583, 68.6636

Protanopia

77.5877, 81.9672, 70.1245

Deuteranopia

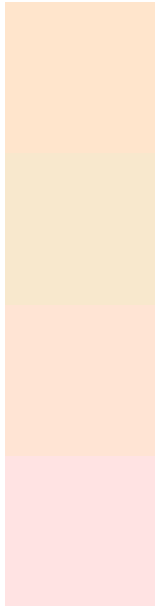
81.3781, 81.7047, 76.4472



Tritanopia

84.1645, 81.9440, 93.8189

Trichromacy



Original Color

80.1584, 81.6583, 68.6636

Protanomaly

78.5875, 82.0775, 69.4581

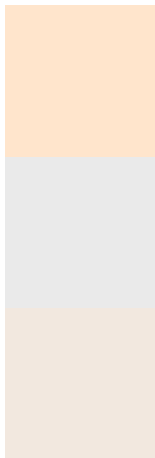
Deuteranomaly

80.8671, 81.5003, 73.7563

Tritanomaly

82.5742, 81.7442, 84.0991

Monochromacy



Original Color

80.1584, 81.6583, 68.6636

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.7938, 81.9182, 81.4709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1584, 81.6583, 68.6636 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, 229, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 204)  
}
```

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, 229, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 204) }
```

Border

The CSS property to change the border of an element to XYZ 80.1584, 81.6583, 68.6636 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, 229, 204) }
```


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

```
.border{ border-color:rgb(255, 229, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1584, 81.6583, 68.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 204) }
```

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

```
.background{ background-color: rgb(255,  
229, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor