

Converting Colors

XYZ(139.1677, 113.6871,
65.0006)

Have a look what the booklet for
XYZ(139.1677, 113.6871, 65.0006)
contains.

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Color

**XYZ(80.0046, 83.3881,
62.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C1
RGB	255, 233, 193
RGB Percent	100%, 91%, 76%
CMY	0.0000, 0.0862, 0.2431
CMYK	0.00, 0.09, 0.24, 0.00
HSL	39°, 100%, 88%
HSV	39°, 24%, 100%
XYZ	80.0046, 83.3881, 62.3309
YIQ	235.0180, 25.9520, -7.7760

Conversions

Conversions Part 2

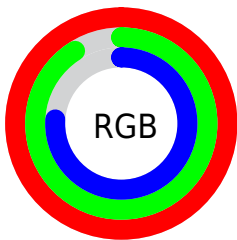
Format	Color
R_{YB}	227, 255, 193
Decimal	16771521
CIE Lab	93.18, 1.47, 22.18
CIE LCh	93, 22.232, 86.200
Yxy	83.3881, 0.3544, 0.3694
Android (android.graphics.Color)	4294961601 (0xFFFFE9C1)
YUV	235.0180, -20.7149, 17.5242
Hunter-Lab	91.3171, -3.4177, 23.4520

Details

The XYZ color **80.0046, 83.3881, 62.3309** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.3421, 67.1564, 104.1790**, and the grayscale version is **79.1200, 83.2404, 90.6488**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **43.6710, 45.3141, 30.8709** is the 20% darker color. If you saturate the color by 10%, you get **74.9065, 77.3586, 47.7867**, and if you desaturate by 10%, it is **85.7284, 89.8837, 79.5055**.

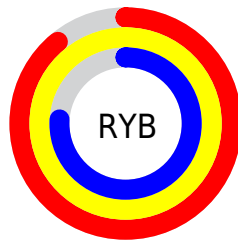
Distribution



Red (100%)

Green (91%)

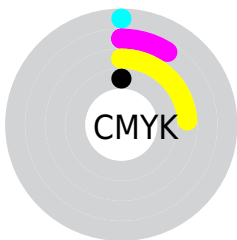
Blue (76%)



Red (89%)

Yellow (100%)

Blue (76%)

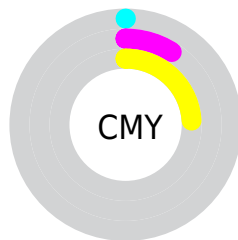


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0046, 83.3881, 62.3309 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 80.0046, 83.3881, 62.3309 by changing the saturation by 10% instead.


 80.0046, 83.3881,
62.3309

 80.0046, 83.3881,
62.3309


483.6846,
506.2790, 451.1780

 60.0306, 62.5104,
44.8626

 132.3227,
138.1189, 109.7799

 43.6929, 45.4452,
31.0071


165.3975,
172.7407, 140.5976

 30.6260, 31.8083,
20.3457


203.5700,
212.7128, 176.7023

 20.4647, 21.2151,
12.4600

247.2055,
258.4193, 218.5124

 12.8435, 13.2813,
6.9315

296.6693,
310.2448, 266.4465

 7.3971, 7.6225,
3.3415

352.3269,

 3.7602, 3.8544,

368.5737, 320.9231

1.2715

414.5435,
433.7903, 382.3607

■ 1.5674, 1.5924,
0.0383

■ 0.3710, 0.3525,
0.0000

■ 80.0046, 83.3881,
62.3309

■ 80.0046, 83.3881,
62.3309

■ 74.9065, 77.3586,
47.7867

■ 85.7284, 89.8837,
79.5055

■ 70.4012, 71.7702,
35.7345

■ 92.0974, 96.8477,
99.4289

■ 66.4612, 66.6118,
26.0310

95.0500, 100.0000,
108.9000

■ 63.0543, 61.8671,
18.5162

■ 60.1441, 57.5183,
13.0098

■ 57.6891, 53.5453,
9.3024

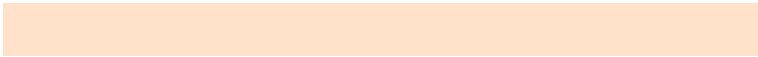
■ 55.6382, 49.9242,
7.1374

■ 54.6122, 48.0044,
6.3874

Harmonies

Analogous

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



85.6721, 83.3881, 66.6009



80.0046, 83.3881, 62.3309



74.4013, 83.3881, 64.8820

Triad

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



80.0046, 83.3881, 62.3309



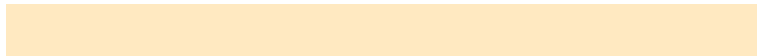
69.6005, 83.3881, 105.7520



88.9632, 83.3881, 109.8924

Complementary

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



80.0046, 83.3881, 62.3309



64.3421, 67.1564, 104.1790

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.



84.3213, 83.3881, 122.8262



80.0046, 83.3881, 62.3309



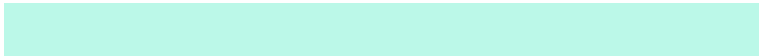
73.1721, 83.3881, 120.2370

Square

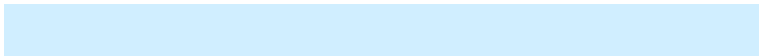
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0046, 83.3881, 62.3309



68.5700, 83.3881, 88.6803



78.5158, 83.3881, 126.8251



91.0024, 83.3881, 92.9440

Rectangle

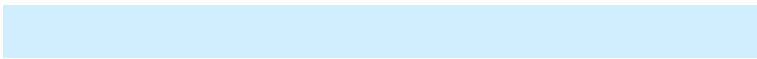
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0046, 83.3881, 62.3309



71.4239, 83.3881, 70.3003



78.5158, 83.3881, 126.8251



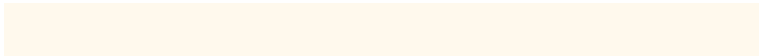
87.6447, 83.3881, 114.9307

Sweetspot

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



80.0066, 83.3918, 62.3326



90.3211, 94.9293, 93.7985



72.6708, 64.3449, 73.3756



19.2484, 20.2276, 19.8121



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.



80.0066, 83.3918, 62.3326



77.5403, 80.5077, 55.1957



83.6497, 95.0961, 64.3998



18.9873, 19.9428, 18.9929



28.6820, 25.3753, 3.3862



2.8957, 2.6768, 0.3641

Inverse Universe

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



64.3421, 67.1564, 104.1790



59.4994, 61.8130, 103.4029



61.2800, 57.8155, 102.5374



17.5302, 18.4320, 22.8837



11.4893, 7.8882, 50.3516



1.2171, 0.9649, 4.9354

Previews

White Background



This preview shows how the XYZ color 80.0046, 83.3881, 62.3309 looks on a white background.

Color Contrast Check

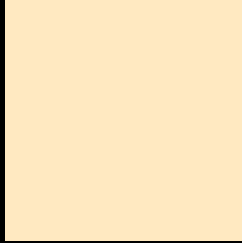
Large Text (above 18pt) WCAG AA × Fail

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 80.0046, 83.3881, 62.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

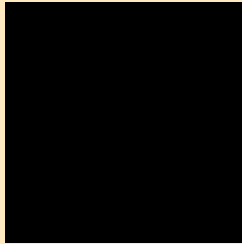
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0046, 83.3881, 62.3309

Background



This preview shows how black text looks on a background with the XYZ color 80.0046, 83.3881, 62.3309.



This preview shows how white text looks on a background with the XYZ color 80.0046, 83.3881,

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

80.0046, 83.3881, 62.3309

Protanopia

78.5129, 83.4514, 63.0086

Deuteranopia

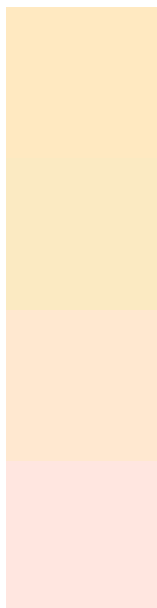
82.2106, 83.3697, 76.7247



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

80.0046, 83.3881, 62.3309

Protanomaly

78.9441, 83.2499, 62.9470

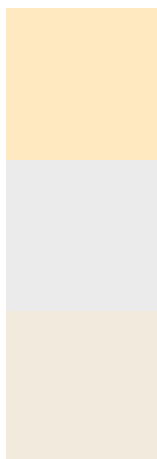
Deuteranomaly

81.4818, 83.5273, 71.5023

Tritanomaly

82.9914, 83.2354, 82.2129

Monochromacy



Original Color

80.0046, 83.3881, 62.3309

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9590, 82.8902, 79.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0046, 83.3881, 62.3309 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, 233, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 193)  
}
```

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, 233, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 193) }
```

Border

The CSS property to change the border of an element to XYZ 80.0046, 83.3881, 62.3309 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, 233, 193) }
```


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

```
.border{ border-color:rgb(255, 233, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0046, 83.3881, 62.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 193) }
```

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

```
.background{ background-color: rgb(255,  
233, 193) }
```

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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