

Converting Colors

XYZ(80.1721, 82.5368, 66.0445)

Have a look what the booklet for
XYZ(80.1721, 82.5368, 66.0445)
contains.

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Color

**XYZ(80.2412, 82.5820,
66.3543)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C8
RGB	255, 231, 200
RGB Percent	100%, 91%, 78%
CMY	0.0000, 0.0941, 0.2157
CMYK	0.00, 0.09, 0.22, 0.00
HSL	34°, 100%, 89%
HSV	34°, 22%, 100%
XYZ	80.2412, 82.5820, 66.3543
YIQ	234.6420, 24.2550, -4.5530

Conversions

Conversions Part 2

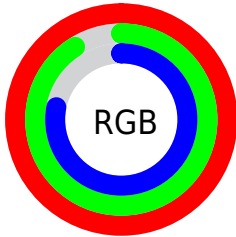
Format	Color
R _Y B	243, 255, 200
Decimal	16771016
CIE Lab	92.83, 3.46, 18.08
CIE LCh	93, 18.404, 79.165
Yxy	82.5820, 0.3501, 0.3603
Android (android.graphics.Color)	4294961096 (0xFFFFE7C8)
YUV	234.6420, -17.0785, 17.8540
Hunter-Lab	90.8746, -1.4173, 20.3202

Details

The XYZ color **80.2412, 82.5820, 66.3543** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5243, 72.8084, 105.0496**, and the grayscale version is **78.8080, 82.9121, 90.2913**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0023, 45.1318, 33.5863** is the 20% darker color. If you saturate the color by 10%, you get **74.4912, 75.4600, 50.9405**, and if you desaturate by 10%, it is **86.6903, 90.3060, 84.4553**.

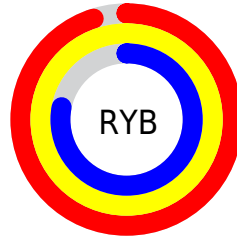
Distribution



Red (100%)

Green (91%)

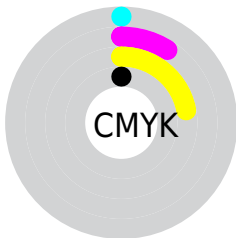
Blue (78%)



Red (95%)

Yellow (100%)

Blue (78%)

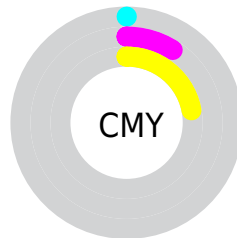


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2412, 82.5820, 66.3543 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 80.2412, 82.5820, 66.3543 by changing the saturation by 10% instead.


 80.2412, 82.5820,
66.3543

 80.2412, 82.5820,
66.3543


484.4695,
503.5924, 466.0817

 60.2260, 61.8454,
48.1018


132.6535,
136.9899, 115.6265

 43.8510, 44.9078,
33.5469


165.7814,
171.4299, 147.4833

 30.7508, 31.3848,
22.2712

204.0108,
211.2065, 184.7120

 20.5600, 20.8920,
13.8561


247.7072,
256.7041, 227.7310

 12.9134, 13.0451,
7.8830

297.2360,
308.3071, 276.9589

 7.4455, 7.4596,
3.9335

352.9623,

 3.7911, 3.7512,

366.3999, 332.8143

1.5889

415.2517,
431.3669, 395.7157

■ 1.5846, 1.5354,
0.2829

■ 0.3824, 0.3134,
0.0000

■ 80.2412, 82.5820,
66.3543

■ 80.2412, 82.5820,
66.3543

■ 74.4912, 75.4600,
50.9405

■ 86.6903, 90.3060,
84.4553

■ 69.4059, 68.9118,
38.0777

■ 93.8589, 98.6373,
105.3603

■ 64.9568, 62.9230,
27.6258

95.0500, 100.0000,
108.9000

■ 61.1108, 57.4741,
19.4284

■ 57.8308, 52.5438,
13.3110

■ 55.0749, 48.1088,
9.0727

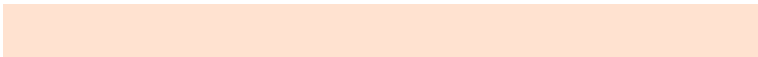
■ 52.7932, 44.1424,
6.4719

■ 51.1760, 41.1319,
5.2420

Harmonies

Analogous

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



84.6888, 82.5820, 71.3484



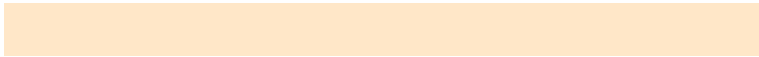
80.2412, 82.5820, 66.3543



75.4977, 82.5820, 67.1699

Triad

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



80.2412, 82.5820, 66.3543



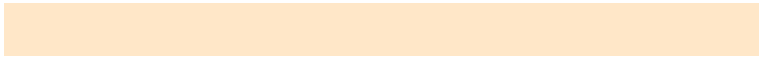
70.0847, 82.5820, 98.8864



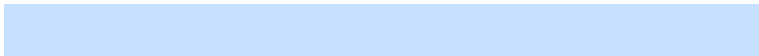
85.6910, 82.5820, 108.3516

Complementary

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



80.2412, 82.5820, 66.3543



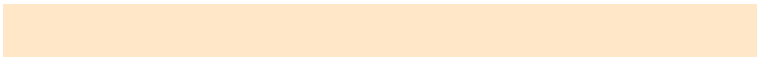
68.5243, 72.8084, 105.0496

Split Complementary

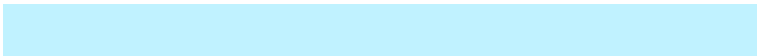
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5638, 82.5820, 117.2964



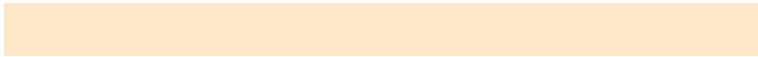
80.2412, 82.5820, 66.3543



72.6045, 82.5820, 111.4581

Square

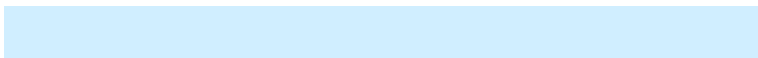
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2412, 82.5820, 66.3543



69.7631, 82.5820, 85.0353



76.7678, 82.5820, 118.4880



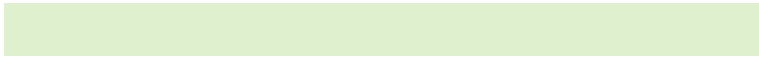
87.9196, 82.5820, 94.9837

Rectangle

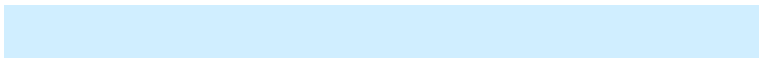
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2412, 82.5820, 66.3543



72.8005, 82.5820, 70.9244



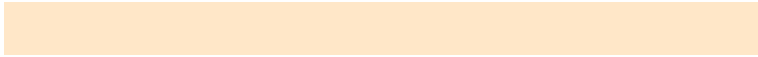
76.7678, 82.5820, 118.4880



84.4721, 82.5820, 112.0311

Sweetspot

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



80.2433, 82.5857, 66.3560



90.5911, 94.8684, 95.7414



75.4513, 67.9920, 80.2032



19.2898, 20.1891, 20.1994



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

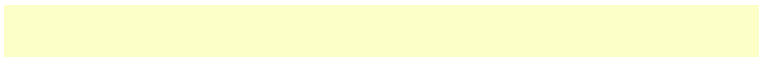
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2433, 82.5857, 66.3560



77.6098, 79.3551, 59.2001



86.4211, 96.4324, 68.7031



18.8591, 19.6863, 18.9502



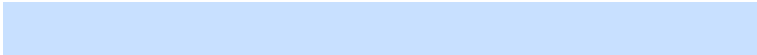
26.8919, 21.7950, 2.7895



2.7271, 2.3397, 0.3079

Inverse Universe

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



68.5243, 72.8084, 105.0496



63.9359, 67.9485, 104.3533



63.2657, 61.1911, 103.0843



17.6549, 18.6815, 22.9253



12.5581, 10.0259, 50.7079



1.3291, 1.1889, 4.9727

Previews

White Background



This preview shows how the XYZ color 80.2412, 82.5820, 66.3543 looks on a white background.

Color Contrast Check

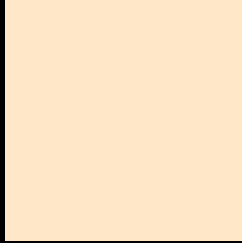
Large Text (above 18pt) WCAG AA × Fail

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 80.2412, 82.5820, 66.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

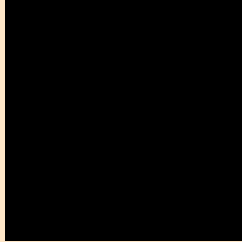
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2412, 82.5820, 66.3543

Background



This preview shows how black text looks on a background with the XYZ color 80.2412, 82.5820, 66.3543.

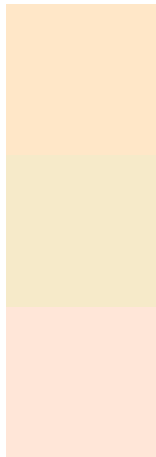


This preview shows how white text looks on a background with the XYZ color 80.2412, 82.5820,

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

80.2412, 82.5820, 66.3543

Protanopia

77.9715, 82.6555, 67.1029

Deuteranopia

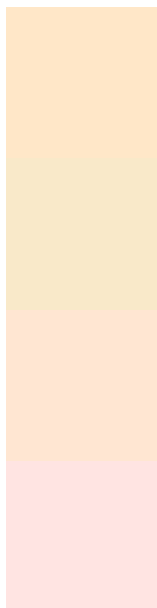
81.9315, 82.8115, 76.6317



Tritanopia

84.5863, 82.5490, 94.6945

Trichromacy



Original Color

80.2412, 82.5820, 66.3543

Protanomaly

78.7485, 82.6346, 67.0579

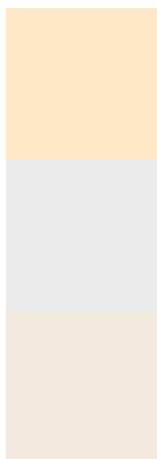
Deuteranomaly

81.1697, 82.5068, 72.6201

Tritanomaly

82.7109, 82.2378, 83.4657

Monochromacy



Original Color

80.2412, 82.5820, 66.3543

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.2256, 82.9968, 80.9516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2412, 82.5820, 66.3543 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, 231, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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(255, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 200) }
```

Border

The CSS property to change the border of an element to XYZ 80.2412, 82.5820, 66.3543 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, 231, 200) }
```


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

```
.border{ border-color:rgb(255, 231, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2412, 82.5820, 66.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 200) }
```

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

```
.background{ background-color: rgb(255,  
231, 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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