

Converting Colors

XYZ(80.3588, 83.5074, 64.2961)

Have a look what the booklet for
XYZ(80.3588, 83.5074, 64.2961)
contains.

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Color

**XYZ(80.3427, 83.5233,
64.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C4
RGB	255, 233, 196
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0863, 0.2314
CMYK	0.00, 0.09, 0.23, 0.00
HSL	38°, 100%, 88%
HSV	38°, 23%, 100%
XYZ	80.3427, 83.5233, 64.1117
YIQ	235.3600, 24.9890, -6.8430

Conversions

Conversions Part 2

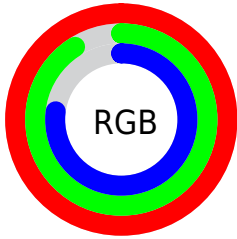
Format	Color
R_{YB}	231, 255, 196
Decimal	16771524
CIE _{Lab}	93.24, 1.88, 20.72
CIE _{LCh}	93, 20.804, 84.806
Yxy	83.5233, 0.3524, 0.3664
Android (android.graphics.Color)	4294961604 (0xFFFFE9C4)
YUV	235.3600, -19.4045, 17.2243
Hunter-Lab	91.3911, -3.0135, 22.3813

Details

The XYZ color **80.3427, 83.5233, 64.1117** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.8858, 69.0966, 104.4722**, and the grayscale version is **79.3716, 83.5051, 90.9371**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **43.8933, 45.4030, 32.0414** is the 20% darker color. If you saturate the color by 10%, you get **75.0648, 77.2243, 49.2291**, and if you desaturate by 10%, it is **86.2630, 90.3169, 81.6442**.

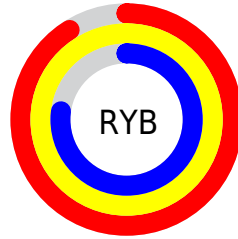
Distribution



Red (100%)

Green (91%)

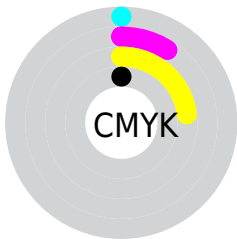
Blue (77%)



Red (91%)

Yellow (100%)

Blue (77%)

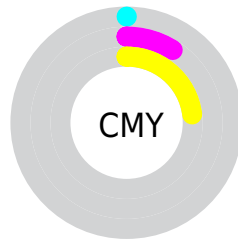


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3427, 83.5233, 64.1117 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 80.3427, 83.5233, 64.1117 by changing the saturation by 10% instead.


 80.3427, 83.5233,
64.1117

 80.3427, 83.5233,
64.1117


484.8060,
506.7289, 457.8114

 60.3098, 62.6219,
46.2944


132.7954,
138.3081, 112.3728

 43.9188, 45.5354,
32.1279


165.9460,
172.9604, 143.6537

 30.8043, 31.8794,
21.1935

204.1999,
212.9651, 180.2595

 20.6010, 21.2694,
13.0729

247.9224,
258.7067, 222.6088

 12.9435, 13.3211,
7.3475

297.4789,
310.5694, 271.1200

 7.4664, 7.6500,
3.5986

353.2348,

 3.8043, 3.8718,

368.9378, 326.2119

1.4078

415.5553,
434.1961, 388.3028

■ 1.5920, 1.6021,
0.1478

■ 0.3872, 0.3590,
0.0000

■ 80.3427, 83.5233,
64.1117

■ 80.3427, 83.5233,
64.1117

■ 75.0648, 77.2243,
49.2291

■ 86.2630, 90.3169,
81.6442

■ 70.3960, 71.3945,
36.8591

■ 92.8450, 97.6079,
101.9441

■ 66.3090, 66.0221,
26.8599

95.0500, 100.0000,
108.9000

■ 62.7715, 61.0903,
19.0733

■ 59.7474, 56.5808,
13.3217

■ 57.1955, 52.4732,
9.3995

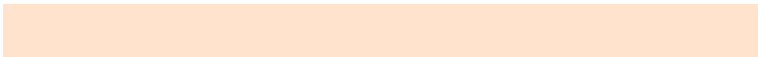
■ 55.0658, 48.7433,
7.0573

■ 53.8002, 46.3805,
6.1167

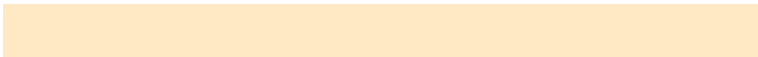
Harmonies

Analogous

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



85.6065, 83.5233, 68.4722



80.3427, 83.5233, 64.1117



75.0531, 83.5233, 66.2393

Triad

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



80.3427, 83.5233, 64.1117



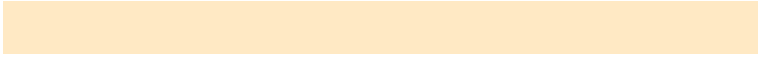
70.2130, 83.5233, 104.1808



88.2995, 83.5233, 109.4398

Complementary

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



80.3427, 83.5233, 64.1117



65.8858, 69.0966, 104.4722

Split Complementary

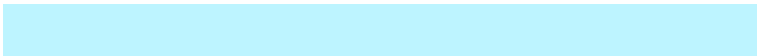
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8834, 83.5233, 121.1313



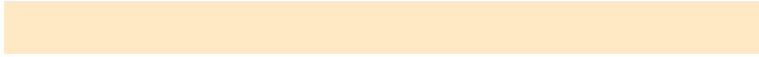
80.3427, 83.5233, 64.1117



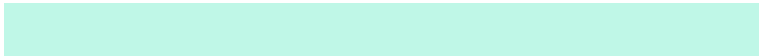
73.4751, 83.5233, 117.8589

Square

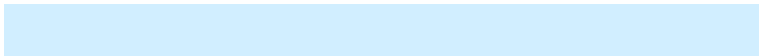
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3427, 83.5233, 64.1117



69.3617, 83.5233, 88.2420



78.4377, 83.5233, 124.3761



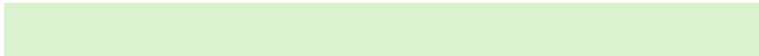
90.3333, 83.5233, 93.6979

Rectangle

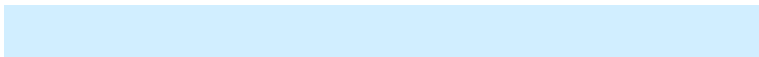
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3427, 83.5233, 64.1117



72.1997, 83.5233, 71.1939



78.4377, 83.5233, 124.3761



87.0348, 83.5233, 114.0424

Sweetspot

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



80.3447, 83.5270, 64.1134



90.2218, 94.7308, 93.7654



73.7163, 65.8351, 75.5766



19.2254, 20.1815, 19.8044



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

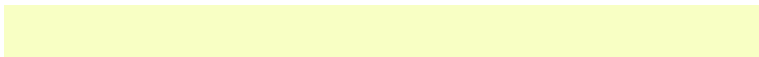
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3447, 83.5270, 64.1134



77.6987, 80.4017, 56.5518



84.4769, 95.4834, 66.2035



18.9588, 19.8858, 18.9834



28.2598, 24.5307, 3.2455



2.8564, 2.5982, 0.3510

Inverse Universe

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



65.8858, 69.0966, 104.4722



60.8217, 63.5615, 103.6707



62.3877, 59.3811, 102.7813



17.5577, 18.4870, 22.8929



11.7036, 8.3168, 50.4230



1.2401, 1.0110, 4.9430

Previews

White Background



This preview shows how the XYZ color 80.3427, 83.5233, 64.1117 looks on a white background.

Color Contrast Check

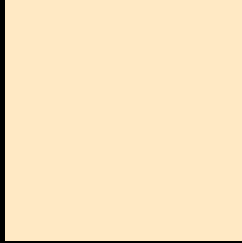
Large Text (above 18pt) WCAG AA × Fail

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 80.3427, 83.5233, 64.1117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

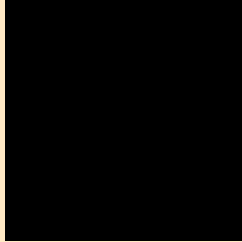
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3427, 83.5233, 64.1117

Background



This preview shows how black text looks on a background with the XYZ color 80.3427, 83.5233, 64.1117.



This preview shows how white text looks on a background with the XYZ color 80.3427, 83.5233,

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

80.3427, 83.5233, 64.1117

Protanopia

78.8533, 83.5876, 64.8013

Deuteranopia

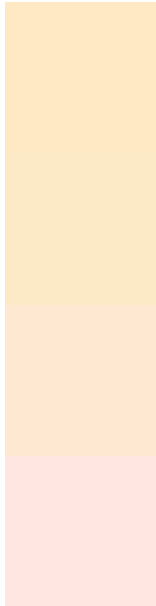
82.3403, 83.4216, 77.4078



Tritanopia

85.2863, 83.7094, 95.6669

Trichromacy



Original Color

80.3427, 83.5233, 64.1117

Protanomaly

79.2845, 83.3861, 64.7397

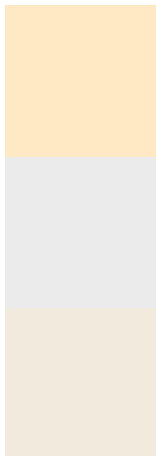
Deuteranomaly

81.6052, 83.5767, 72.1525

Tritanomaly

83.1274, 83.2899, 82.9294

Monochromacy



Original Color

80.3427, 83.5233, 64.1117

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.0919, 82.9433, 80.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3427, 83.5233, 64.1117 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 196) }
```

Border

The CSS property to change the border of an element to XYZ 80.3427, 83.5233, 64.1117 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, 196) }
```


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

```
.border{ border-color:rgb(255, 233, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3427, 83.5233, 64.1117 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
233, 196) }
```

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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