

Converting Colors

XYZ(113.4960, 100.0000,
66.7763)

Have a look what the booklet for
XYZ(113.4960, 100.0000, 66.7763)
contains.

XYZ(80.2897, 83.0504, 65.2247)	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(80.2897, 83.0504,
65.2247)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8C6
RGB	255, 232, 198
RGB Percent	100%, 91%, 78%
CMY	0.0000, 0.0902, 0.2235
CMYK	0.00, 0.09, 0.22, 0.00
HSL	36°, 100%, 89%
HSV	36°, 22%, 100%
XYZ	80.2897, 83.0504, 65.2247
YIQ	235.0010, 24.6220, -5.6980

Conversions

Conversions Part 2

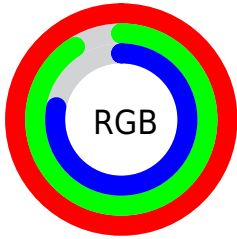
Format	Color
R_{YB}	237, 255, 198
Decimal	16771270
CIE _{Lab}	93.04, 2.67, 19.40
CIE _{LCh}	93, 19.581, 82.164
Y _{xy}	83.0504, 0.3513, 0.3634
Android (android.graphics.Color)	4294961350 (0xFFFFE8C6)
YUV	235.0010, -18.2415, 17.5391
Hunter-Lab	91.1320, -2.2178, 21.3575

Details

The XYZ color **80.2897, 83.0504, 65.2247** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.1945, 70.9367, 104.7584**, and the grayscale version is **79.0894, 83.2082, 90.6138**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8481, 45.0701, 32.7739** is the 20% darker color. If you saturate the color by 10%, you get **74.7814, 76.3513, 50.0788**, and if you desaturate by 10%, it is **86.4665, 90.2938, 83.0385**.

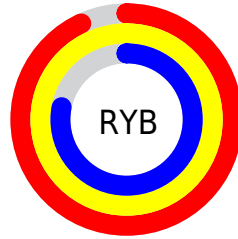
Distribution



Red (100%)

Green (91%)

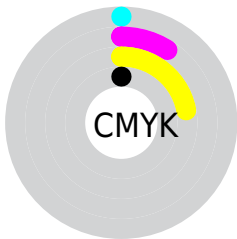
Blue (78%)



Red (93%)

Yellow (100%)

Blue (78%)

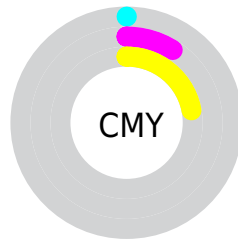


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2897, 83.0504, 65.2247 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 80.2897, 83.0504, 65.2247 by changing the saturation by 10% instead.


 80.2897, 83.0504,
65.2247

 80.2897, 83.0504,
65.2247


484.6303,
505.1545, 461.9273

 60.2661, 62.2317,
47.1908


132.7213,
137.6460, 113.9892

 43.8834, 45.2200,
32.8311


165.8601,
172.1918, 145.5569

 30.7764, 31.6307,
21.7270

204.1012,
212.0821, 182.4730

 20.5796, 21.0796,
13.4601

247.8101,
257.7012, 225.1559

 12.9278, 13.1822,
7.6117

297.3521,
309.4336, 274.0242

 7.4555, 7.5541,
3.7633

353.0925,

 3.7974, 3.8110,

367.6637, 329.4966

1.4964

415.3968,
432.7759, 391.9914

■ 1.5882, 1.5684,
0.2152

■ 0.3847, 0.3362,
0.0000

■ 80.2897, 83.0504,
65.2247

■ 80.2897, 83.0504,
65.2247

■ 74.7814, 76.3513,
50.0788

■ 86.4665, 90.2938,
83.0385

■ 69.9084, 70.1701,
37.4642

■ 93.3321, 98.0855,
103.6374

■ 65.6425, 64.4937,
27.2398

■ 95.0500, 100.0000,
108.9000

■ 61.9512, 59.3042,
19.2485

■ 58.7982, 54.5821,
13.3142

■ 56.1417, 50.3055,
9.2337

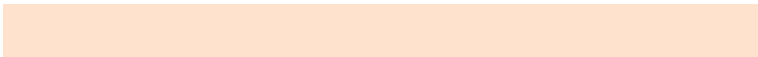
■ 53.9321, 46.4492,
6.7619

■ 52.4893, 43.7585,
5.6798

Harmonies

Analogous

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



85.1448, 83.0504, 69.8975



80.2897, 83.0504, 65.2247



75.2730, 83.0504, 66.7028

Triad

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



80.2897, 83.0504, 65.2247



70.1478, 83.0504, 101.5119



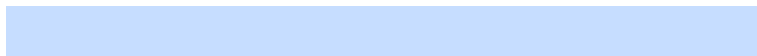
86.9881, 83.0504, 108.8910

Complementary

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



80.2897, 83.0504, 65.2247



67.1945, 70.9367, 104.7584

Split Complementary

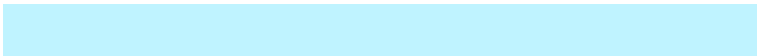
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7178, 83.0504, 119.2011



80.2897, 83.0504, 65.2247



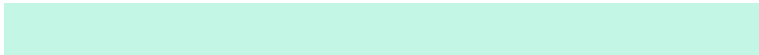
73.0383, 83.0504, 114.6294

Square

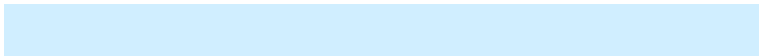
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2897, 83.0504, 65.2247



69.5608, 83.0504, 86.6299



77.5994, 83.0504, 121.4075



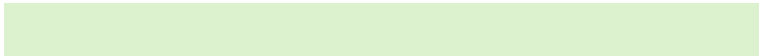
89.1199, 83.0504, 94.3351

Rectangle

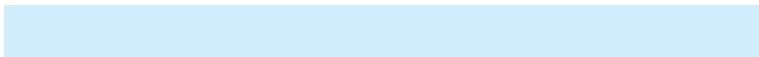
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2897, 83.0504, 65.2247



72.4977, 83.0504, 71.0591



77.5994, 83.0504, 121.4075



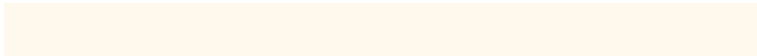
85.7465, 83.0504, 113.0303

Sweetspot

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



80.2916, 83.0540, 65.2264



90.0536, 94.3945, 93.7093



74.5860, 66.9096, 77.9162



19.1865, 20.1036, 19.7914



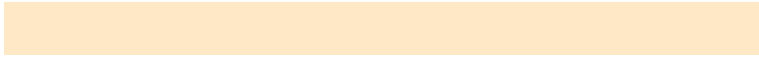
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.2916, 83.0540, 65.2264



77.6495, 79.8729, 57.8625



85.4673, 95.9675, 67.4462



18.9106, 19.7893, 18.9674



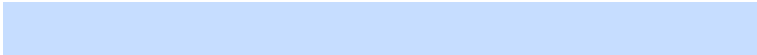
27.5771, 23.1653, 3.0179



2.7923, 2.4699, 0.3296

Inverse Universe

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



67.1945, 70.9367, 104.7584



62.3638, 65.7331, 104.0086



62.8056, 60.2707, 102.9309



17.6045, 18.5806, 22.9085



12.0961, 9.1018, 50.5539



1.2815, 1.0937, 4.9568

Previews

White Background



This preview shows how the XYZ color 80.2897, 83.0504, 65.2247 looks on a white background.

Color Contrast Check

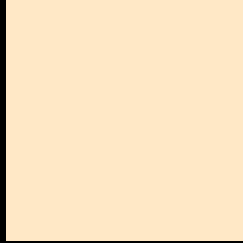
Large Text (above 18pt) WCAG AA × Fail

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 80.2897, 83.0504, 65.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

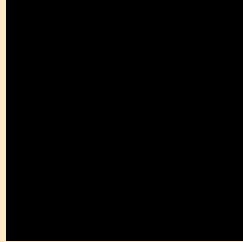
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2897, 83.0504, 65.2247

Background



This preview shows how black text looks on a background with the XYZ color 80.2897, 83.0504, 65.2247.

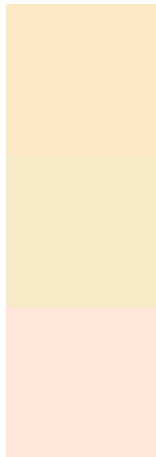


This preview shows how white text looks on a background with the XYZ color 80.2897, 83.0504,

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

80.2897, 83.0504, 65.2247

Protanopia

78.3749, 83.3143, 65.9833

Deuteranopia

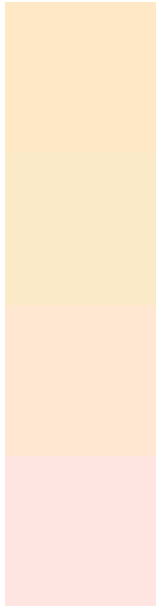
82.0612, 82.8634, 77.3148



Tritanopia

84.8606, 83.0977, 94.7859

Trichromacy



Original Color

80.2897, 83.0504, 65.2247

Protanomaly

79.1560, 83.2932, 65.9380

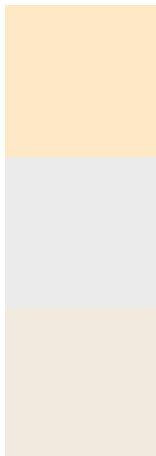
Deuteranomaly

81.4488, 83.0650, 72.7131

Tritanomaly

82.8499, 82.7349, 82.8369

Monochromacy



Original Color

80.2897, 83.0504, 65.2247

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 80.2897, 83.0504, 65.2247 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, 232, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 198)  
}
```

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, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 198) }
```

Border

The CSS property to change the border of an element to XYZ 80.2897, 83.0504, 65.2247 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, 232, 198) }
```


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

```
.border{ border-color:rgb(255, 232, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2897, 83.0504, 65.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 198) }
```

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

```
.background{ background-color: rgb(255,  
232, 198) }
```

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