

Converting Colors

XYZ(81.3054, 83.5210, 64.9372)

Have a look what the booklet for
XYZ(81.3054, 83.5210, 64.9372)
contains.

XYZ(80.1747, 83.0044, 64.6191)	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(80.1747, 83.0044,
64.6191)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8C5
RGB	255, 232, 197
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0902, 0.2274
CMYK	0.00, 0.09, 0.23, 0.00
HSL	36°, 100%, 89%
HSV	36°, 23%, 100%
XYZ	80.1747, 83.0044, 64.6191
YIQ	234.8870, 24.9430, -6.0090

Conversions

Conversions Part 2

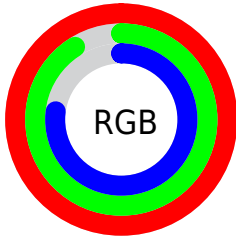
Format	Color
RYB	235, 255, 197
Decimal	16771269
CIELab	93.02, 2.53, 19.89
CIELCh	93, 20.047, 82.748
Yxy	83.0044, 0.3520, 0.3644
Android (android.graphics.Color)	4294961349 (0xFFFFE8C5)
YUV	234.8870, -18.6783, 17.6391
Hunter-Lab	91.1068, -2.3553, 21.7222

Details

The XYZ color **80.1747, 83.0044, 64.6191** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.6685, 70.2747, 104.6583**, and the grayscale version is **79.0057, 83.1201, 90.5178**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **43.7720, 45.0396, 32.3731** is the 20% darker color. If you saturate the color by 10%, you get **74.7324, 76.4070, 49.5886**, and if you desaturate by 10%, it is **86.2788, 90.1341, 82.3107**.

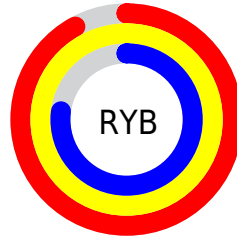
Distribution



Red (100%)

Green (91%)

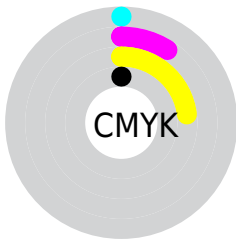
Blue (77%)



Red (92%)

Yellow (100%)

Blue (77%)

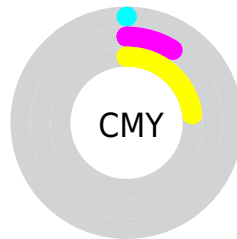


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1747, 83.0044, 64.6191 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 80.1747, 83.0044, 64.6191 by changing the saturation by 10% instead.


 80.1747, 83.0044,
64.6191

 80.1747, 83.0044,
64.6191


484.2490,
505.0012, 459.6906

 60.1711, 62.1938,
46.7029


132.5606,
137.5816, 113.1101

 43.8065, 45.1893,
32.4482


165.6735,
172.1170, 144.5220

 30.7157, 31.6066,
21.4364


203.8870,
211.9961, 181.2695

 20.5332, 21.0612,
13.2490

247.5662,
257.6033, 223.7712

 12.8937, 13.1687,
7.4675

297.0767,
309.3231, 272.4456

 7.4319, 7.5448,
3.6733

352.7838,

 3.7824, 3.8051,

367.5397, 327.7113

1.4479

415.0527,
432.6376, 389.9868

■ 1.5798, 1.5651,
0.1787

■ 0.3792, 0.3339,
0.0000

■ 80.1747, 83.0044,
64.6191

■ 80.1747, 83.0044,
64.6191

■ 74.7324, 76.4070,
49.5886

■ 86.2788, 90.1341,
82.3107

■ 69.9187, 70.3158,
37.0821

■ 93.0648, 97.8000,
102.7807

■ 65.7056, 64.7180,
26.9582

■ 95.0500, 100.0000,
108.9000

■ 62.0604, 59.5958,
19.0591

■ 58.9469, 54.9301,
13.2080

■ 56.3234, 50.6994,
9.2004

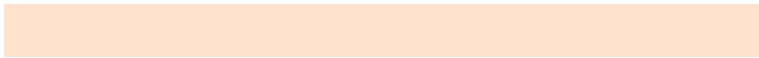
■ 54.1399, 46.8785,
6.7890

■ 52.7796, 44.3393,
5.7765

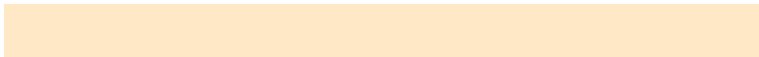
Harmonies

Analogous

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



85.1645, 83.0044, 69.2584



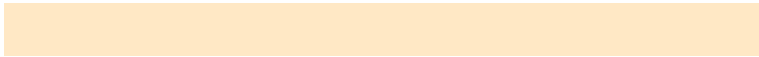
80.1747, 83.0044, 64.6191



75.0528, 83.0044, 66.2462

Triad

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



80.1747, 83.0044, 64.6191



69.9428, 83.0044, 102.0271



87.2065, 83.0044, 109.0368

Complementary

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



80.1747, 83.0044, 64.6191



66.6685, 70.2747, 104.6583

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.



82.8624, 83.0044, 119.7554



80.1747, 83.0044, 64.6191



72.9375, 83.0044, 115.4053

Square

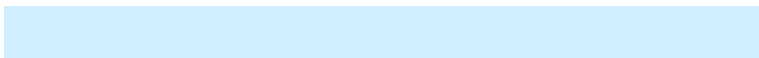
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1747, 83.0044, 64.6191



69.2946, 83.0044, 86.7762



77.6254, 83.0044, 122.2065



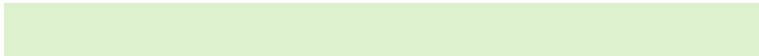
89.3396, 83.0044, 94.0775

Rectangle

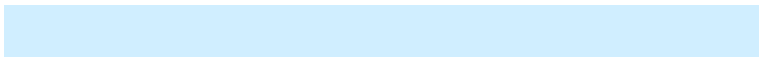
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1747, 83.0044, 64.6191



72.2359, 83.0044, 70.7617



77.6254, 83.0044, 122.2065



85.9474, 83.0044, 113.3202

Sweetspot

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



80.1766, 83.0080, 64.6208



90.0918, 94.4708, 93.7221



74.1516, 66.3713, 76.7526



19.1953, 20.1213, 19.7943



0.0000, 0.0000, 0.0000



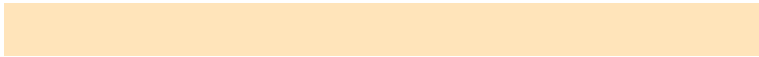
20.3446, 21.4041, 23.3091

Same Dimension

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



80.1766, 83.0080, 64.6208



77.7809, 80.1356, 57.9062



84.9766, 95.7278, 66.8230



18.9215, 19.8112, 18.9710



27.7284, 23.4680, 3.0683



2.8066, 2.4985, 0.3343

Inverse Universe

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



66.6685, 70.2747, 104.6583



62.2428, 65.4912, 103.9683



62.5913, 59.8220, 102.8556



17.5939, 18.5593, 22.9050



12.0038, 8.9171, 50.5231



1.2718, 1.0744, 4.9536

Previews

White Background



This preview shows how the XYZ color 80.1747, 83.0044, 64.6191 looks on a white background.

Color Contrast Check

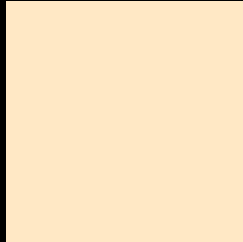
Large Text (above 18pt) WCAG AA × Fail

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 80.1747, 83.0044, 64.6191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

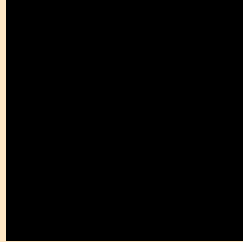
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1747, 83.0044, 64.6191

Background



This preview shows how black text looks on a background with the XYZ color 80.1747, 83.0044, 64.6191.



This preview shows how white text looks on a background with the XYZ color 80.1747, 83.0044,

64.6191.

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

80.1747, 83.0044, 64.6191

Protanopia

78.3273, 82.8793, 65.2951

Deuteranopia

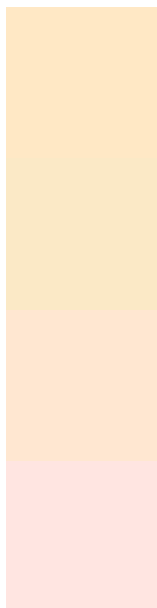
81.9315, 82.8115, 76.6317



Tritanopia

84.8606, 83.0977, 94.7859

Trichromacy



Original Color

80.1747, 83.0044, 64.6191

Protanomaly

79.1156, 82.8643, 65.2506

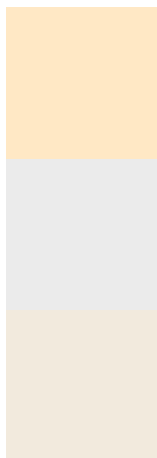
Deuteranomaly

81.3245, 83.0153, 72.0589

Tritanomaly

82.8499, 82.7349, 82.8369

Monochromacy



Original Color

80.1747, 83.0044, 64.6191

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 80.1747, 83.0044, 64.6191 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 197) }
```

Border

The CSS property to change the border of an element to XYZ 80.1747, 83.0044, 64.6191 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, 197) }
```


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

```
.border{ border-color:rgb(255, 232, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1747, 83.0044, 64.6191 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
232, 197) }
```

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