

Converting Colors

XYZ(80.6134, 84.3068, 64.2014)

Have a look what the booklet for
XYZ(80.6134, 84.3068, 64.2014)
contains.

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Color

**XYZ(80.9121, 84.6622,
64.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB4
RGB	255, 235, 196
RGB Percent	100%, 92%, 77%
CMY	0.0000, 0.0784, 0.2314
CMYK	0.00, 0.08, 0.23, 0.00
HSL	40°, 100%, 88%
HSV	40°, 23%, 100%
XYZ	80.9121, 84.6622, 64.3015
YIQ	236.5340, 24.4390, -7.8890

Conversions

Conversions Part 2

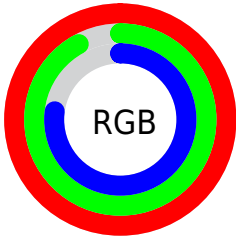
Format	Color
R _Y B	226, 255, 196
Decimal	16772036
CIE Lab	93.74, 0.87, 21.41
CIE LCh	94, 21.423, 87.681
Yxy	84.6622, 0.3520, 0.3683
Android (android.graphics.Color)	4294962116 (0xFFFFEBC4)
YUV	236.5340, -19.9833, 16.1947
Hunter-Lab	92.0121, -4.0546, 22.9744

Details

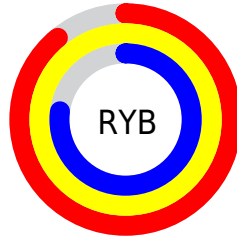
The XYZ color **80.9121, 84.6622, 64.3015** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3702, 68.0655, 104.3003**, and the grayscale version is **80.2754, 84.4559, 91.9725**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **44.2913, 46.1990, 32.1741** is the 20% darker color. If you saturate the color by 10%, you get **75.8390, 78.7727, 49.4872**, and if you desaturate by 10%, it is **86.6030, 90.9970, 81.7575**.

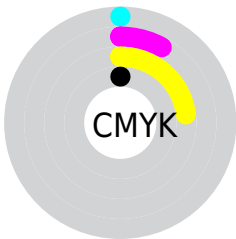
Distribution



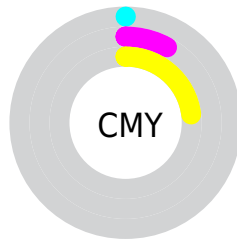
- Red (100%)
- Green (92%)
- Blue (77%)



- Red (89%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (8%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9121, 84.6622, 64.3015 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 80.9121, 84.6622, 64.3015 by changing the saturation by 10% instead.

 80.9121, 84.6622,
64.3015

 80.9121, 84.6622,
64.3015


486.6912,
510.5096, 458.5149

 60.7803, 63.5623,
46.4472


133.5911,
139.9011, 112.6487

 44.2997, 46.2963,
32.2476


166.8690,
174.8089, 143.9786

 31.1051, 32.4797,
21.2843


205.2597,
215.0882, 180.6375

 20.8311, 21.7281,
13.1387

249.1284,
261.1232, 223.0438

 13.1124, 13.6573,
7.3923

298.8406,
313.2985, 271.6162

 7.5835, 7.8827,
3.6265

354.7615,

 3.8792, 4.0200,

371.9984, 326.7732

1.4228

417.2566,
437.6073, 388.9332

■ 1.6340, 1.6847,
0.1594

■ 0.4144, 0.4137,
0.0000

■ 80.9121, 84.6622,
64.3015

■ 80.9121, 84.6622,
64.3015

■ 75.8390, 78.7727,
49.4872

■ 86.6030, 90.9970,
81.7575

■ 71.3507, 73.3038,
37.1773

■ 92.9302, 97.7784,
101.9725

■ 67.4205, 68.2450,
27.2304

95.0500, 100.0000,
108.9000

■ 64.0168, 63.5809,
19.4884

■ 61.1042, 59.2944,
13.7739

■ 58.6420, 55.3662,
9.8817

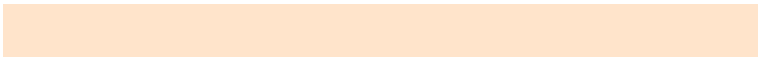
■ 56.5810, 51.7737,
7.5623

■ 55.3507, 49.4815,
6.6336

Harmonies

Analogous

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



86.4570, 84.6622, 68.1718



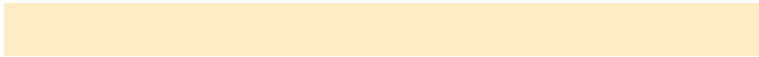
80.9121, 84.6622, 64.3015



75.4958, 84.6622, 67.1409

Triad

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



80.9121, 84.6622, 64.3015



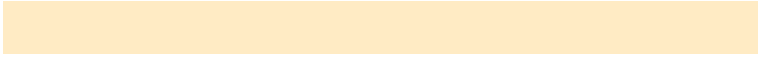
71.1698, 84.6622, 107.5078



90.0669, 84.6622, 109.9576

Complementary

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



80.9121, 84.6622, 64.3015



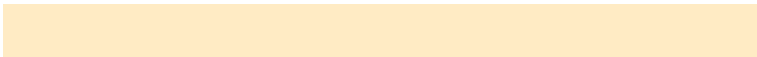
65.3702, 68.0655, 104.3003

Split Complementary

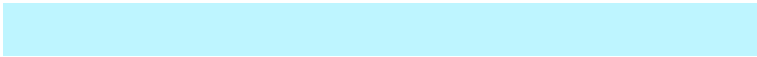
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6557, 84.6622, 122.7853



80.9121, 84.6622, 64.3015



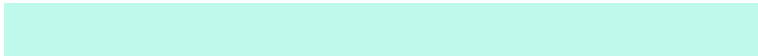
74.7638, 84.6622, 121.2579

Square

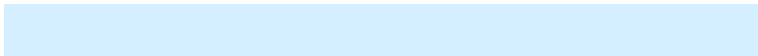
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9121, 84.6622, 64.3015



70.0311, 84.6622, 90.9215



80.0273, 84.6622, 127.1435



91.8954, 84.6622, 93.4556

Rectangle

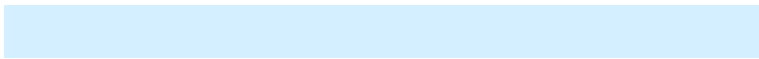
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9121, 84.6622, 64.3015



72.6522, 84.6622, 72.6672



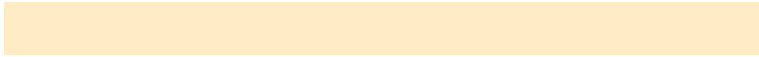
80.0273, 84.6622, 127.1435



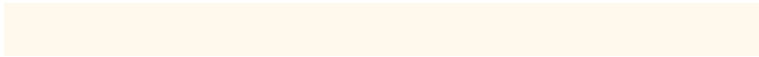
88.8271, 84.6622, 114.9125

Sweetspot

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



80.9142, 84.6660, 64.3033



90.4085, 95.1042, 93.8276



73.4594, 65.7324, 74.2240



19.2687, 20.2681, 19.8188



0.0000, 0.0000, 0.0000



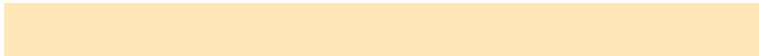
20.3446, 21.4041, 23.3091

Same Dimension

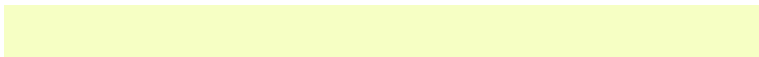
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9142, 84.6660, 64.3033



78.3708, 81.7459, 56.7758



83.7828, 95.1256, 66.1710



19.0124, 19.9930, 19.0013



29.0658, 26.1428, 3.5141



2.9313, 2.7479, 0.3759

Inverse Universe

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



65.3702, 68.0655, 104.3003



60.2277, 62.3736, 103.4727



62.9263, 59.6588, 102.8065



17.5061, 18.3838, 22.8757



11.3110, 7.5316, 50.2922



1.1977, 0.9261, 4.9289

Previews

White Background



This preview shows how the XYZ color 80.9121, 84.6622, 64.3015 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 80.9121, 84.6622, 64.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

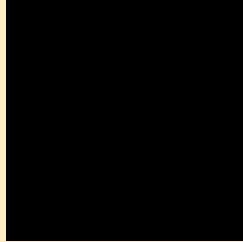
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9121, 84.6622, 64.3015

Background



This preview shows how black text looks on a background with the XYZ color 80.9121, 84.6622, 64.3015.

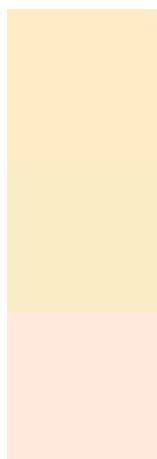


This preview shows how white text looks on a background with the XYZ color 80.9121, 84.6622,

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

80.9121, 84.6622, 64.3015

Protanopia

79.7866, 84.9236, 65.0100

Deuteranopia

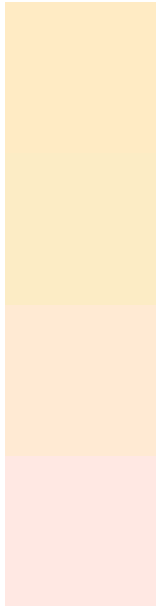
83.2972, 84.7051, 79.6696



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

80.9121, 84.6622, 64.3015

Protanomaly

80.2184, 84.7176, 64.9475

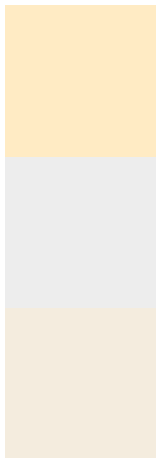
Deuteranomaly

82.4207, 84.8088, 73.6537

Tritanomaly

83.9617, 84.5193, 84.5616

Monochromacy



Original Color

80.9121, 84.6622, 64.3015

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.4885, 84.4979, 81.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9121, 84.6622, 64.3015 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, 235, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 196) }
```

Border

The CSS property to change the border of an element to XYZ 80.9121, 84.6622, 64.3015 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, 235, 196) }
```


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

```
.border{ border-color:rgb(255, 235, 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, 235, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9121, 84.6622, 64.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 196) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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