

Converting Colors

XYZ(78.5119, 84.0836, 50.4857)

Have a look what the booklet for
XYZ(78.5119, 84.0836, 50.4857)
contains.

XYZ(78.5861, 84.1912, 50.6367) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(78.5861, 84.1912,
50.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECAB
RGB	255, 236, 171
RGB Percent	100%, 93%, 67%
CMY	0.0000, 0.0745, 0.3294
CMYK	0.00, 0.07, 0.33, 0.00
HSL	46°, 100%, 84%
HSV	46°, 33%, 100%
XYZ	78.5861, 84.1912, 50.6367
YIQ	234.2710, 32.1890, -16.1870

Conversions

Conversions Part 2

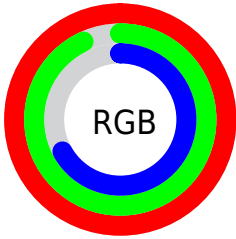
Format	Color
RYB	196, 255, 171
Decimal	16772267
CIELab	93.53, -2.84, 33.90
CIELCh	94, 34.017, 94.788
Yxy	84.1912, 0.3682, 0.3945
Android (android.graphics.Color)	4294962347 (0xFFFFE CAB)
YUV	234.2710, -31.1926, 18.1793
Hunter-Lab	91.7558, -7.6926, 31.5090

Details

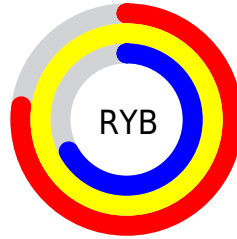
The XYZ color **78.5861, 84.1912, 50.6367** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.2576, 52.7032, 101.9734**, and the grayscale version is **78.6258, 82.7204, 90.0826**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **42.6172, 45.8208, 23.7377** is the 20% darker color. If you saturate the color by 10%, you get **74.7535, 80.0475, 38.5024**, and if you desaturate by 10%, it is **82.9456, 88.6374, 65.2618**.

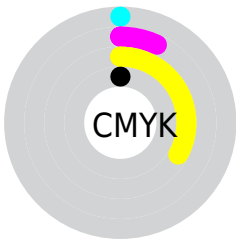
Distribution



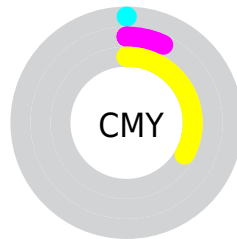
- Red (100%)
- Green (93%)
- Blue (67%)



- Red (77%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5861, 84.1912, 50.6367 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 78.5861, 84.1912, 50.6367 by changing the saturation by 10% instead.


 78.5861, 84.1912,
50.6367

 78.5861, 84.1912,
50.6367


478.9644,
508.9479, 405.9568

 58.8600, 63.1733,
35.5448


 130.3370,
139.2426, 92.5235

 42.7464, 45.9814,
23.7960


163.0926,
174.0449, 120.1556

 29.8798, 32.2312,
14.9715


200.9220,
214.2108, 152.8048

 19.8950, 21.5381,
8.6530

244.1906,
260.1247, 190.8896

 12.4266, 13.5179,
4.4218

293.2638,
312.1709, 234.8287

 7.1091, 7.7861,
1.8595

348.5069,

 3.5774, 3.9584,

370.7340, 285.0406

0.4668

410.2854,
436.1982, 341.9438

■ 1.4659, 1.6503,
0.0000

■ 0.3025, 0.3912,
0.0000

■ 78.5861, 84.1912,
50.6367

■ 78.5861, 84.1912,
50.6367

■ 74.7535, 80.0475,
38.5024

■ 82.9456, 88.6374,
65.2618

■ 71.4137, 76.1829,
28.7109

■ 87.8508, 93.3855,
82.5038

■ 68.5385, 72.5883,
21.1068

■ 93.3276, 98.4495,
102.4864

■ 66.0940, 69.2493,
15.5135

95.0500, 100.0000,
108.9000

■ 64.0409, 66.1494,
11.7269

■ 62.3317, 63.2687,
9.4992

■ 61.2835, 61.3471,
8.6112

Harmonies

Analogous

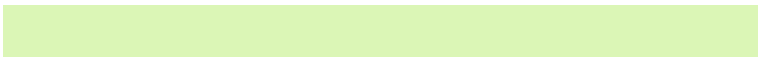
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6175, 84.1912, 53.7593



78.5861, 84.1912, 50.6367



70.5528, 84.1912, 56.7086

Triad

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



78.5861, 84.1912, 50.6367



66.6399, 84.1912, 122.9367



96.7125, 84.1912, 114.4313

Complementary

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



78.5861, 84.1912, 50.6367



53.2576, 52.7032, 101.9734

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.



90.3010, 84.1912, 138.6678



78.5861, 84.1912, 50.6367



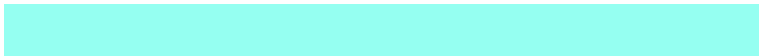
72.8772, 84.1912, 144.1882

Square

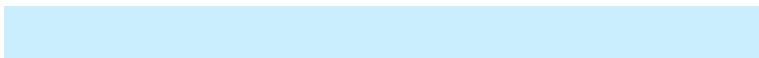
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5861, 84.1912, 50.6367



63.9928, 84.1912, 95.8673



81.4737, 84.1912, 150.4245



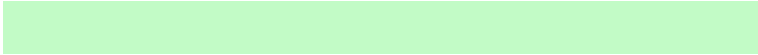
98.5248, 84.1912, 87.5969

Rectangle

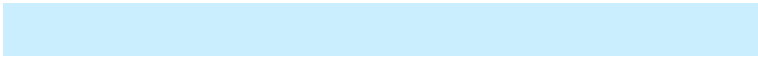
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5861, 84.1912, 50.6367



66.7049, 84.1912, 65.9709



81.4737, 84.1912, 150.4245



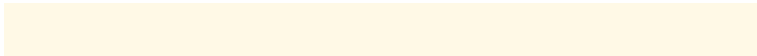
95.0013, 84.1912, 123.3021

Sweetspot

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



78.5882, 84.1950, 50.6384



89.4008, 94.8412, 88.0896



65.1635, 54.1308, 56.0745



18.9756, 20.1503, 18.2770



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

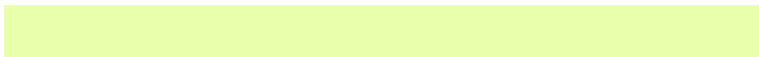
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5882, 84.1950, 50.6384



75.8284, 81.2371, 41.8207



76.5849, 91.7168, 52.1959



19.1924, 20.3530, 19.0613



32.1395, 32.2902, 4.5387



3.2105, 3.3064, 0.4690

Inverse Universe

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



53.2576, 52.7032, 101.9734



46.7248, 45.0681, 100.8441



54.7082, 47.7370, 100.9384



17.3361, 18.0439, 22.8191



10.3043, 5.5182, 49.9566



1.0810, 0.6927, 4.8900

Previews

White Background



This preview shows how the XYZ color 78.5861, 84.1912, 50.6367 looks on a white background.

Color Contrast Check

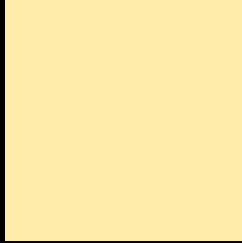
Large Text (above 18pt) WCAG AA × Fail

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 78.5861, 84.1912, 50.6367 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 78.5861, 84.1912, 50.6367

Background



This preview shows how black text looks on a background with the XYZ color 78.5861, 84.1912, 50.6367.



This preview shows how white text looks on a background with the XYZ color 78.5861, 84.1912,

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

78.5861, 84.1912, 50.6367

Protanopia

78.2192, 84.0020, 50.6195

Deuteranopia

82.5165, 84.3929, 75.5587



Tritanopia

85.5638, 84.2644, 95.7594

Trichromacy

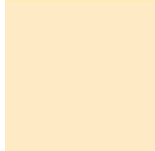


Original Color

78.5861, 84.1912, 50.6367

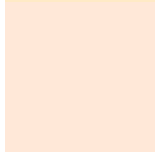
Protanomaly

78.2192, 84.0020, 50.6195



Deuteranomaly

80.8559, 84.1829, 65.4134



Tritanomaly

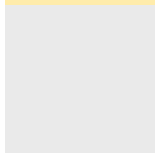
82.4913, 83.9311, 76.8183

Monochromacy



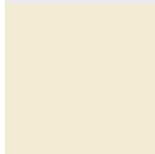
Original Color

78.5861, 84.1912, 50.6367



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

78.0842, 82.9971, 73.5326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5861, 84.1912, 50.6367 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, 236, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 171)  
}
```

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, 236, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 171) }
```

Border

The CSS property to change the border of an element to XYZ 78.5861, 84.1912, 50.6367 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, 236, 171) }
```


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

```
.border{ border-color:rgb(255, 236, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5861, 84.1912, 50.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 171) }
```

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

```
.background{ background-color: rgb(255,  
236, 171) }
```

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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