

Converting Colors

XYZ(78.8463, 83.6944, 53.8593)

Have a look what the booklet for
XYZ(78.8463, 83.6944, 53.8593)
contains.

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Color

**XYZ(78.9842, 83.8910,
54.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBB2
RGB	255, 235, 178
RGB Percent	100%, 92%, 70%
CMY	0.0000, 0.0784, 0.3020
CMYK	0.00, 0.08, 0.30, 0.00
HSL	44°, 100%, 85%
HSV	44°, 30%, 100%
XYZ	78.9842, 83.8910, 54.1492
YIQ	234.4820, 30.2170, -13.4870

Conversions

Conversions Part 2

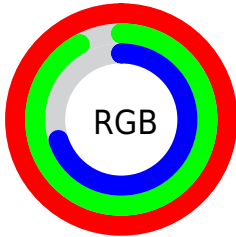
Format	Color
R_{YB}	205, 255, 178
Decimal	16772018
CIE Lab	93.40, -1.49, 30.17
CIE LCh	93, 30.207, 92.821
Yxy	83.8910, 0.3639, 0.3866
Android (android.graphics.Color)	4294962098 (0xFFFFE8B2)
YUV	234.4820, -27.8456, 17.9943
Hunter-Lab	91.5920, -6.3569, 29.0622

Details

The XYZ color **78.9842, 83.8910, 54.1492** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.6037, 57.0715, 102.6403**, and the grayscale version is **78.7624, 82.8642, 90.2391**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **42.8477, 45.5912, 25.9437** is the 20% darker color. If you saturate the color by 10%, you get **74.7982, 79.2424, 41.2749**, and if you desaturate by 10%, it is **83.7209, 88.8787, 69.5570**.

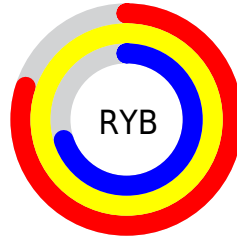
Distribution



Red (100%)

Green (92%)

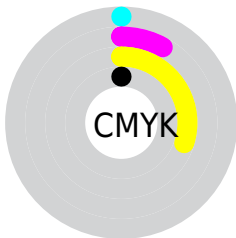
Blue (70%)



Red (80%)

Yellow (100%)

Blue (70%)

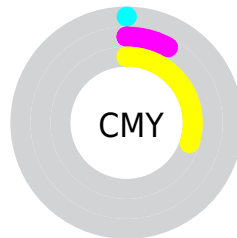


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.9842, 83.8910, 54.1492 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 78.9842, 83.8910, 54.1492 by changing the saturation by 10% instead.


 78.9842, 83.8910,
54.1492

 78.9842, 83.8910,
54.1492


480.2917,
507.9512, 419.8694

 59.1884, 62.9254,
38.3270


 130.8947,
138.8227, 97.7519

 43.0118, 45.7809,
25.9328


163.7400,
173.5576, 126.3694

 30.0889, 32.0730,
16.5480


201.6660,
213.6511, 160.0891

 20.0545, 21.4172,
9.7542

245.0379,
259.4876, 199.3296

 12.5431, 13.4293,
5.1328

294.2210,
311.4515, 244.5093

 7.1895, 7.7248,
2.2653

349.5808,

 3.6283, 3.9194,

369.9271, 296.0468

0.7117

411.4826,
435.2989, 354.3607

■ 1.4941, 1.6286,
0.0000

■ 0.3218, 0.3767,
0.0000

■ 78.9842, 83.8910,
54.1492

■ 78.9842, 83.8910,
54.1492

■ 74.7982, 79.2424,
41.2749

■ 83.7209, 88.8787,
69.5570

■ 71.1294, 74.9094,
30.7895

■ 89.0273, 94.2055,
87.6216

■ 67.9503, 70.8828,
22.5417

94.9287, 99.8855,
108.4647

■ 65.2276, 67.1479,
16.3609

95.0500, 100.0000,
108.9000

■ 62.9235, 63.6884,
12.0514

■ 60.9929, 60.4850,
9.3799

■ 59.3915, 57.5630,
7.9805

Harmonies

Analogous

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



86.9419, 83.8910, 57.6020



78.9842, 83.8910, 54.1492



71.7157, 83.8910, 59.2048

Triad

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



78.9842, 83.8910, 54.1492



67.5396, 83.8910, 117.2530



94.1584, 83.8910, 112.8902

Complementary

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



78.9842, 83.8910, 54.1492



56.6037, 57.0715, 102.6403

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.



88.3328, 83.8910, 133.4076



78.9842, 83.8910, 54.1492



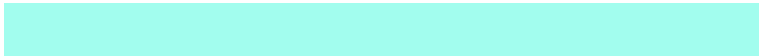
72.9395, 83.8910, 136.2069

Square

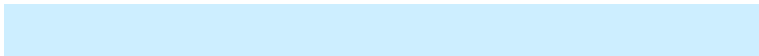
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9842, 83.8910, 54.1492



65.3897, 83.8910, 93.5197



80.4923, 83.8910, 142.5583



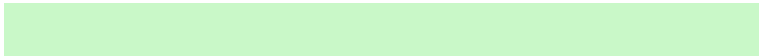
96.0404, 83.8910, 89.2005

Rectangle

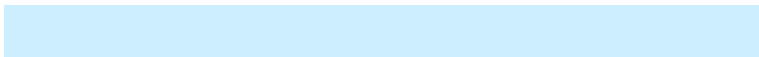
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9842, 83.8910, 54.1492



68.1398, 83.8910, 67.3072



80.4923, 83.8910, 142.5583



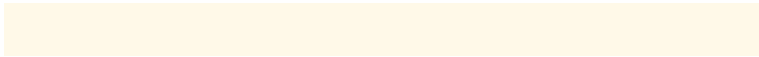
92.5781, 83.8910, 120.5118

Sweetspot

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



78.9863, 83.8948, 54.1509



89.7009, 94.8656, 89.9643



67.4157, 57.2036, 61.2384



19.0244, 20.1333, 18.6468



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

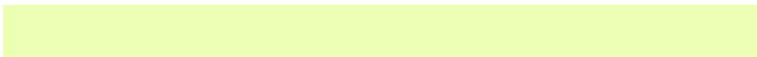
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9863, 83.8948, 54.1509



76.4903, 81.1545, 46.3773



78.7325, 92.7448, 55.8725



19.1386, 20.2454, 19.0434



31.1608, 30.3328, 4.2125



3.1225, 3.1304, 0.4397

Inverse Universe

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



56.6037, 57.0715, 102.6403



50.9735, 50.5841, 101.6849



56.7276, 50.7932, 101.4219



17.3864, 18.1445, 22.8358



10.5577, 6.0249, 50.0411



1.1119, 0.7545, 4.9003

Previews

White Background



This preview shows how the XYZ color 78.9842, 83.8910, 54.1492 looks on a white background.

Color Contrast Check

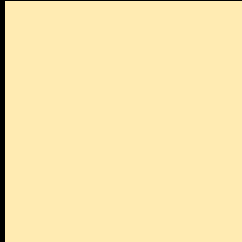
Large Text (above 18pt) WCAG AA × Fail

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 78.9842, 83.8910, 54.1492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

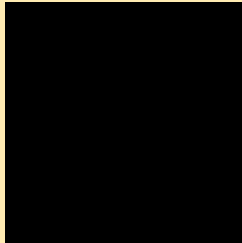
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.9842, 83.8910, 54.1492

Background



This preview shows how black text looks on a background with the XYZ color 78.9842, 83.8910, 54.1492.

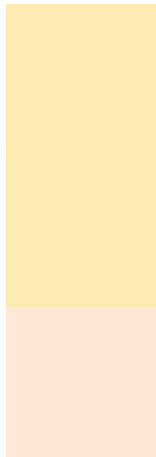


This preview shows how white text looks on a background with the XYZ color 78.9842, 83.8910,

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

78.9842, 83.8910, 54.1492

Protanopia

78.5393, 84.0879, 54.2106

Deuteranopia

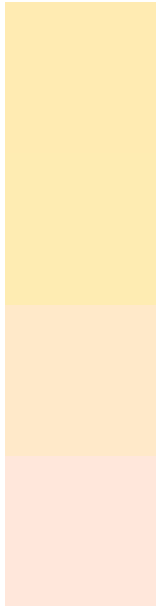
82.2342, 83.8283, 75.4646



Tritanopia

85.2863, 83.7094, 95.6669

Trichromacy



Original Color

78.9842, 83.8910, 54.1492

Protanomaly

78.9044, 84.2761, 54.2277

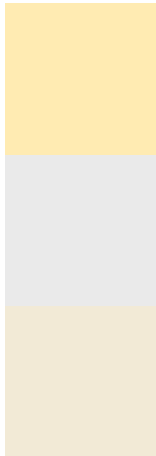
Deuteranomaly

80.9215, 83.7549, 67.1596

Tritanomaly

82.6021, 83.5263, 78.7864

Monochromacy



Original Color

78.9842, 83.8910, 54.1492

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1784, 82.5779, 75.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9842, 83.8910, 54.1492 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 178) }
```

Border

The CSS property to change the border of an element to XYZ 78.9842, 83.8910, 54.1492 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, 178) }
```


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

```
.border{ border-color:rgb(255, 235, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9842, 83.8910, 54.1492 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
235, 178) }
```

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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