

Converting Colors

XYZ(56.9653, 75.5846, 47.2844)

Have a look what the booklet for
XYZ(56.9653, 75.5846, 47.2844)
contains.

XYZ(57.1341, 75.8046, 47.2178)	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(57.1341, 75.8046,
47.2178)**

Conversions

Conversions Part 1

Format	Color
Hex	B3F2A5
RGB	179, 242, 165
RGB Percent	70%, 95%, 65%
CMY	0.2980, 0.0510, 0.3529
CMYK	0.26, 0.00, 0.32, 0.05
HSL	109°, 75%, 80%
HSV	109°, 32%, 95%
XYZ	57.1341, 75.8046, 47.2178
YIQ	214.3850, -12.8310, -37.3030

Conversions

Conversions Part 2

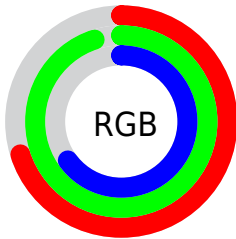
Format	Color
RYB	165, 242, 228
Decimal	11793061
CIELab	89.77, -33.92, 30.98
CIELCh	90, 45.937, 137.599
Yxy	75.8046, 0.3171, 0.4208
Android (android.graphics.Color)	4289983141 (0xFFB3F2A5)
YUV	214.3850, -24.3468, -31.0326
Hunter-Lab	87.0658, -35.2304, 28.7918

Details

The XYZ color **57.1341, 75.8046, 47.2178** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.4804, 49.8173, 90.3838**, and the grayscale version is **64.3428, 67.6936, 73.7184**.

A 20% lighter version of the original color is **83.2703, 94.5202, 81.5655**, and **28.7957, 40.5727, 21.6429** is the 20% darker color. If you saturate the color by 10%, you get **50.8844, 72.8159, 36.4951**, and if you desaturate by 10%, it is **64.4617, 79.3053, 60.1697**.

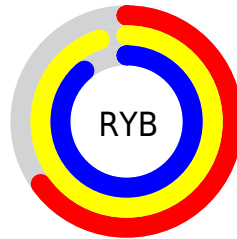
Distribution



Red (70%)

Green (95%)

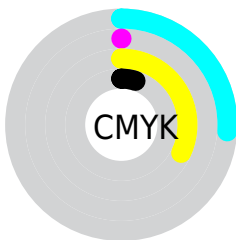
Blue (65%)



Red (65%)

Yellow (95%)

Blue (89%)

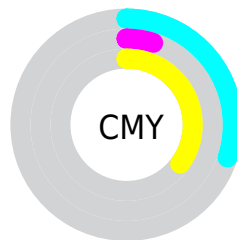


Cyan (26%)

Magenta (0%)

Yellow (32%)

Black (5%)



Cyan (30%)


Magenta (5%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1341, 75.8046, 47.2178 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 57.1341, 75.8046, 47.2178 by changing the saturation by 10% instead.


 57.1341, 75.8046,
47.2178


 57.1341, 75.8046,
47.2178


403.9577,
480.6785, 392.1021

 41.3535, 56.2723,
32.8523


 99.7911, 127.4507,
87.3920

 28.7843, 40.4213,
21.7431


 127.3981,
160.3332, 114.0378

 19.0611, 27.8672,
13.4718


159.6780,
198.4346, 145.6141

 11.8187, 18.2255,
7.6197

196.9961,
242.1393, 182.5395

 6.6917, 11.1120,
3.7683

239.7178,
291.8316, 225.2324

 3.3147, 6.1422,
1.4991


288.2083,

 1.3223, 2.9318,


347.8960, 274.1115


0.2173


342.8332,
410.7169, 329.5952

 0.1998, 1.0962,
0.0000


 0.0000, 0.0000,
0.0000


 57.1341, 75.8046,
47.2178


 57.1341, 75.8046,
47.2178

 50.8844, 72.8159,
36.4951


 64.4617, 79.3053,
60.1697

 45.6554, 70.3057,
27.8711

 72.9093, 83.3305,
75.4613

 41.3931, 68.2514,
21.2095

 82.5239, 87.9043,
93.2020

 38.0363, 66.6249,
16.3561

 91.0437, 91.9873,
107.5646

■ 35.5162, 65.3945,
13.1334

■ 33.7534, 64.5238,
11.3279

■ 32.7921, 64.0427,
10.6332

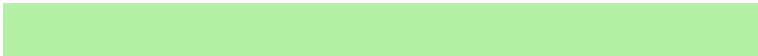
Harmonies

Analogous

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



65.6635, 75.8046, 36.2162



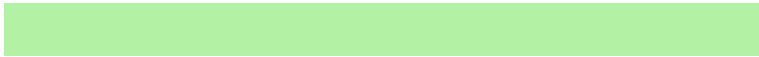
57.1341, 75.8046, 47.2178



52.8033, 75.8046, 69.8545

Triad

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



57.1341, 75.8046, 47.2178



67.4732, 75.8046, 159.6747



94.8679, 75.8046, 65.0792

Complementary

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



57.1341, 75.8046, 47.2178



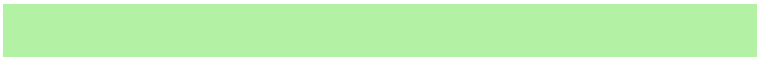
61.4804, 49.8173, 90.3838

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.



95.4833, 75.8046, 96.6714



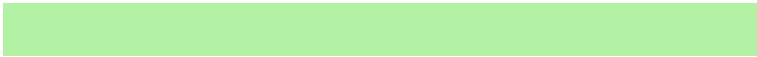
57.1341, 75.8046, 47.2178



78.8377, 75.8046, 157.4125

Square

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



57.1341, 75.8046, 47.2178



58.3389, 75.8046, 137.6976



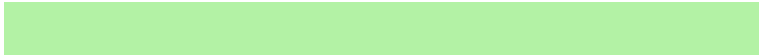
89.3592, 75.8046, 132.1478



87.7568, 75.8046, 44.5148

Rectangle

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



57.1341, 75.8046, 47.2178



52.5461, 75.8046, 91.0643



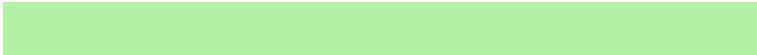
89.3592, 75.8046, 132.1478



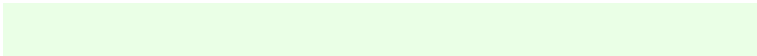
95.8662, 75.8046, 74.5618

Sweetspot

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



57.1360, 75.8078, 47.2195



83.9491, 94.7205, 88.3536



71.1241, 77.0200, 46.7162



17.6577, 20.1261, 18.3418



0.0000, 0.0000, 0.0000



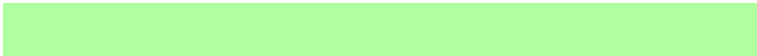
20.3446, 21.4041, 23.3091

Same Dimension

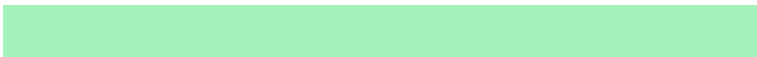
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.1360, 75.8078, 47.2195



59.7805, 83.1891, 45.2992



56.4986, 75.1978, 59.9013



15.8339, 17.7945, 16.7499



17.6969, 34.4446, 5.7158



1.5467, 2.9039, 0.4790

Inverse Universe

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



61.4804, 49.8173, 90.3838



65.3474, 49.7786, 100.7718



62.6806, 50.8314, 72.5777



16.1560, 15.8777, 19.9348



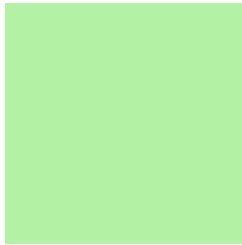
21.2286, 9.9491, 45.9294



1.8385, 0.8651, 3.8243

Previews

White Background



This preview shows how the XYZ color 57.1341, 75.8046, 47.2178 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 57.1341, 75.8046, 47.2178 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

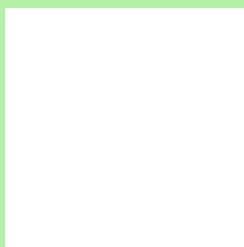
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.1341, 75.8046, 47.2178

Background



This preview shows how black text looks on a background with the XYZ color 57.1341, 75.8046, 47.2178.



This preview shows how white text looks on a background with the XYZ color 57.1341, 75.8046,

47.2178.

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

57.1341, 75.8046, 47.2178

Protanopia

70.0589, 75.3737, 43.2038

Deuteranopia

75.2810, 74.9907, 57.5206



Tritanopia

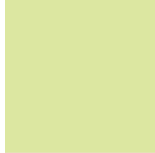
67.8236, 75.3914, 101.4198

Trichromacy



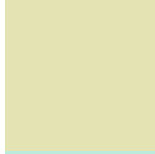
Original Color

57.1341, 75.8046, 47.2178



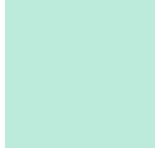
Protanomaly

64.5241, 74.9407, 44.7824



Deuteranomaly

67.2843, 74.5237, 53.4861



Tritanomaly

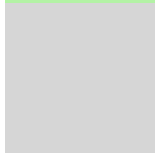
63.2336, 75.2225, 78.2045

Monochromacy



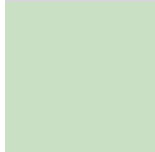
Original Color

57.1341, 75.8046, 47.2178



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.7069, 69.7143, 62.4812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1341, 75.8046, 47.2178 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(179, 242, 165)` looks like.

```
.text, #text, p{  
    color:rgb(179, 242, 165)  
}
```

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(179, 242, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 242, 165) }
```

Border

The CSS property to change the border of an element to XYZ 57.1341, 75.8046, 47.2178 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(179, 242, 165) }
```


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

```
.border{ border-color:rgb(179, 242, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 242, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 242, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 242, 165);  
box-shadow:4px 4px 4px 4px rgb(179, 242,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1341, 75.8046, 47.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 242, 165) }
```

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

```
.background{ background-color: rgb(179,  
242, 165) }
```

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