

Converting Colors

XYZ(50.9266, 66.8854, 35.4258)

Have a look what the booklet for
XYZ(50.9266, 66.8854, 35.4258)
contains.

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Color

**XYZ(50.9112, 66.8749,
35.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E48D
RGB	178, 228, 141
RGB Percent	70%, 89%, 55%
CMY	0.3020, 0.1059, 0.4470
CMYK	0.22, 0.00, 0.38, 0.11
HSL	94°, 62%, 72%
HSV	94°, 38%, 89%
XYZ	50.9112, 66.8749, 35.4241
YIQ	203.1320, -1.8730, -37.6570

Conversions

Conversions Part 2

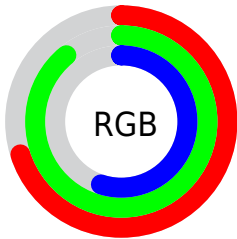
Format	Color
RYB	141, 228, 191
Decimal	11723917
CIELab	85.44, -31.18, 37.34
CIELCh	85, 48.649, 129.861
Yxy	66.8749, 0.3323, 0.4365
Android (android.graphics.Color)	4289913997 (0xFFB2E48D)
YUV	203.1320, -30.6311, -22.0408
Hunter-Lab	81.7771, -31.9828, 31.5608

Details

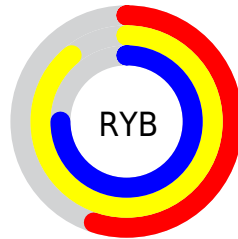
The XYZ color **50.9112, 66.8749, 35.4241** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.0172, 35.7295, 77.9263**, and the grayscale version is **57.0365, 60.0068, 65.3474**.

A 20% lighter version of the original color is **79.9848, 93.1677, 65.9921**, and **24.8679, 34.5114, 14.8019** is the 20% darker color. If you saturate the color by 10%, you get **46.5222, 64.7906, 27.2564**, and if you desaturate by 10%, it is **55.9401, 69.2528, 45.4475**.

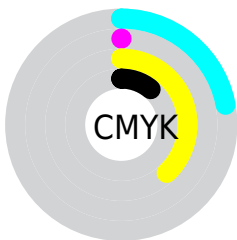
Distribution



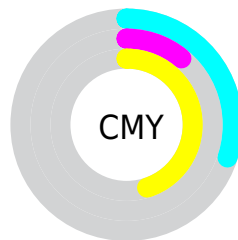
- Red (70%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (75%)



- Cyan (22%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)



- Cyan (30%)
- Magenta (11%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9112, 66.8749, 35.4241 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 50.9112, 66.8749, 35.4241 by changing the saturation by 10% instead.

■ 50.9112, 66.8749,
35.4241

■ 50.9112, 66.8749,
35.4241

380.6120,
449.4993, 341.3973

■ 36.3587, 48.9830,
23.7036

■ 90.7073, 114.7411,
69.3013

■ 24.8827, 34.6060,
14.9037

■ 116.6815,
145.4842, 92.2950

■ 16.1180, 23.3595,
8.6060

147.1938,
181.2798, 119.8835

■ 9.6991, 14.8592,
4.3918

182.6094,
222.5124, 152.4854

■ 5.2606, 8.7206,
1.8426

223.2936,
269.5662, 190.5192

■ 2.4373, 4.5594,
0.4559


269.6119,

■ 0.8637, 1.9911,


322.8257, 234.4034


0.0000


321.9296,
382.6753, 284.5566


 0.0000, 0.6023,
0.0000


 0.0000, 0.0000,
0.0000


 50.9112, 66.8749,
35.4241


 50.9112, 66.8749,
35.4241


 46.5222, 64.7906,
27.2564


 55.9401, 69.2528,
45.4475


 42.7385, 62.9784,
20.8259

 61.6314, 71.9275,
57.4265

 39.5294, 61.4274,
16.0074

 68.0123, 74.9130,
71.4592

 36.8589, 60.1221,
12.6571

 75.1070, 78.2198,
87.6356

■ 34.6856, 59.0449,
10.6056

■ 82.9378, 81.8576,
106.0365

■ 32.9542, 58.1725,
9.6121

■ 87.0348, 83.9696,
106.2283

■ 32.6702, 58.0288,
9.4788

Harmonies

Analogous

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



59.9980, 66.8749, 27.8581



50.9112, 66.8749, 35.4241



45.6518, 66.8749, 53.8346

Triad

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



50.9112, 66.8749, 35.4241



56.5340, 66.8749, 146.0566



86.8405, 66.8749, 62.8975

Complementary

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



50.9112, 66.8749, 35.4241



45.0172, 35.7295, 77.9263

Split Complementary

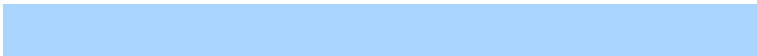
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6348, 66.8749, 95.8033



50.9112, 66.8749, 35.4241



67.2656, 66.8749, 150.5836

Square

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



50.9112, 66.8749, 35.4241



48.6282, 66.8749, 119.1144



78.1533, 66.8749, 130.1236



81.2787, 66.8749, 40.4018

Rectangle

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



50.9112, 66.8749, 35.4241



44.6194, 66.8749, 72.6679



78.1533, 66.8749, 130.1236



87.2269, 66.8749, 72.9631

Sweetspot

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



50.9129, 66.8778, 35.4256



85.1737, 95.3928, 86.5604



55.2838, 55.3767, 32.9752



17.9868, 20.3040, 17.9883



0.0000, 0.0000, 0.0000



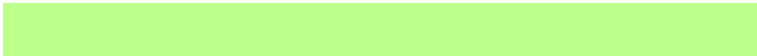
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9129, 66.8778, 35.4256



60.9619, 83.9846, 36.9287



43.9807, 63.2530, 37.4136



14.7675, 16.3872, 15.2892



18.9932, 33.5728, 5.4792



1.5079, 2.5347, 0.4098

Inverse Universe

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



45.0172, 35.7295, 77.9263



52.3050, 38.3069, 99.2449



54.7341, 40.8302, 74.2476



14.3721, 14.2940, 18.1459



13.6331, 6.0940, 42.8409



1.1131, 0.5048, 3.1707

Previews

White Background



This preview shows how the XYZ color 50.9112, 66.8749, 35.4241 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 50.9112, 66.8749, 35.4241 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 50.9112, 66.8749, 35.4241

Background



This preview shows how black text looks on a background with the XYZ color 50.9112, 66.8749, 35.4241.



This preview shows how white text looks on a background with the XYZ color 50.9112, 66.8749,

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

50.9112, 66.8749, 35.4241

Protanopia

61.4461, 66.4936, 32.5177

Deuteranopia

67.6542, 66.3319, 36.4317



Tritanopia

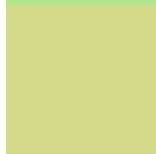
61.4024, 66.7727, 87.4941

Trichromacy



Original Color

50.9112, 66.8749, 35.4241



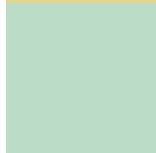
Protanomaly

56.7381, 65.9460, 33.4053



Deuteranomaly

60.1923, 65.7709, 35.9081



Tritanomaly

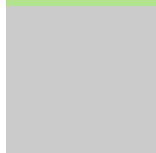
56.7753, 66.4478, 64.4769

Monochromacy



Original Color

50.9112, 66.8749, 35.4241



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.0298, 61.8516, 52.2709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9112, 66.8749, 35.4241 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(178, 228, 141)` looks like.

```
.text, #text, p{  
    color:rgb(178, 228, 141)  
}
```

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(178, 228, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 228, 141) }
```

Border

The CSS property to change the border of an element to XYZ 50.9112, 66.8749, 35.4241 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(178, 228, 141) }
```


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

```
.border{ border-color:rgb(178, 228, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 228, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 228, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 228, 141);  
box-shadow:4px 4px 4px 4px rgb(178, 228,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9112, 66.8749, 35.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 228, 141) }
```

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

```
.background{ background-color: rgb(178,  
228, 141) }
```

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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