

Converting Colors

XYZ(50.5150, 68.6479, 13.1701)

Have a look what the booklet for
XYZ(50.5150, 68.6479, 13.1701)
contains.

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Color

**XYZ(50.5850, 68.8576,
13.2095)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE82E
RGB	190, 232, 46
RGB Percent	75%, 91%, 18%
CMY	0.2549, 0.0902, 0.8196
CMYK	0.18, 0.00, 0.80, 0.09
HSL	74°, 80%, 55%
HSV	74°, 80%, 91%
XYZ	50.5850, 68.8576, 13.2095
YIQ	198.2380, 34.6740, -66.7500

Conversions

Conversions Part 2

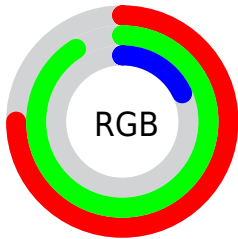
Format	Color
RYB	46, 232, 88
Decimal	12511278
CIELab	86.43, -36.33, 77.60
CIELCh	86, 85.684, 115.086
Yxy	68.8576, 0.3813, 0.5191
Android (android.graphics.Color)	4290701358 (0xFFBEE82E)
YUV	198.2380, -75.0533, -7.2247
Hunter-Lab	82.9805, -36.4020, 48.6481

Details

The XYZ color **50.5850, 68.8576, 13.2095** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **19.5695, 9.8566, 77.2190**, and the grayscale version is **54.2512, 57.0765, 62.1563**.

A 20% lighter version of the original color is **77.9447, 92.9481, 28.3007**, and **25.0411, 35.9562, 5.6204** is the 20% darker color. If you saturate the color by 10%, you get **48.9606, 68.0618, 11.3573**, and if you desaturate by 10%, it is **52.5064, 69.7826, 16.3664**.

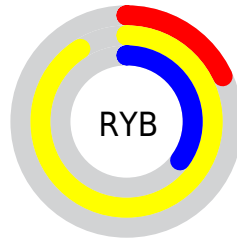
Distribution



Red (75%)

Green (91%)

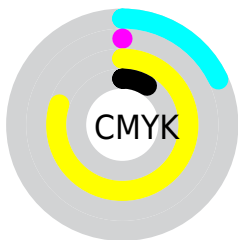
Blue (18%)



Red (18%)

Yellow (91%)

Blue (35%)

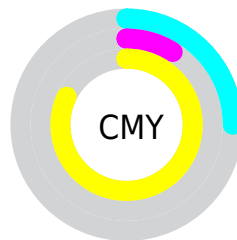


Cyan (18%)

Magenta (0%)

Yellow (80%)

Black (9%)



Cyan (25%)

Magenta (9%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5850, 68.8576, 13.2095 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 50.5850, 68.8576, 13.2095 by changing the saturation by 10% instead.

50.5850, 68.8576,
13.2095

50.5850, 68.8576,
13.2095

379.3635,
456.5286, 223.5108

36.0981, 50.5957,
7.4405

90.2277, 117.5782,
32.3763

24.6805, 35.8870,
3.6565

116.1142,
148.8057, 46.6113

15.9666, 24.3469,
1.4389

146.5314,
185.1238, 64.5054

9.5912, 15.5912,
0.1718

181.8445,
226.9171, 86.4770

5.1890, 9.2353,
0.0000

222.4189,
274.5698, 112.9449

2.3944, 4.8950,
0.0000

268.6199,

0.8423, 2.1858,

328.4663, 144.3274

0.0000

320.8131,
388.9911, 181.0432

■ 0.0000, 0.7122,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5850, 68.8576,
13.2095

■ 50.5850, 68.8576,
13.2095

■ 48.9606, 68.0618,
11.3573

■ 52.5064, 69.7826,
16.3664

■ 47.5896, 67.3727,
10.4960

■ 54.7554, 70.8416,
21.0073

■ 57.3635, 72.0498,
27.2881

■ 60.3566, 73.4176,
35.3437

63.7582, 74.9544,
45.2951

67.5897, 76.6689,
57.2527

71.8710, 78.5691,
71.3185

76.6205, 80.6624,
87.5874

81.8555, 82.9558,
106.1486

Harmonies

Analogous

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



68.7653, 68.8576, 10.3380



50.5850, 68.8576, 13.2095



38.9107, 68.8576, 28.2558

Triad

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



50.5850, 68.8576, 13.2095



45.9719, 68.8576, 204.7771



111.2228, 68.8576, 84.7151

Complementary

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



50.5850, 68.8576, 13.2095



19.5695, 9.8566, 77.2190

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.



101.9277, 68.8576, 156.3777



50.5850, 68.8576, 13.2095



62.2373, 68.8576, 244.7175

Square

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



50.5850, 68.8576, 13.2095



36.6484, 68.8576, 131.4099



82.9676, 68.8576, 223.5891



106.3759, 68.8576, 37.5723

Rectangle

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



50.5850, 68.8576, 13.2095



35.1009, 68.8576, 50.2505



82.9676, 68.8576, 223.5891



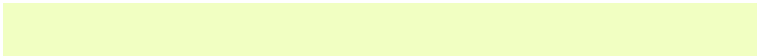
109.6023, 68.8576, 106.7113

Sweetspot

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



50.5866, 68.8607, 13.2110



81.8117, 94.1383, 64.7798



37.1262, 24.0589, 5.2728



17.1503, 19.9879, 12.7446



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.



50.5866, 68.8607, 13.2110



59.5590, 83.7824, 13.3254



34.4652, 60.5498, 12.4565



15.2665, 16.6445, 15.3125



26.5323, 37.4594, 5.8320



2.0389, 2.8085, 0.4346

Inverse Universe

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



19.5695, 9.8566, 77.2190



20.3730, 8.5819, 95.1904



34.2049, 17.4015, 77.9040



13.8858, 14.0434, 18.1231



8.9735, 3.6919, 42.6228



0.7425, 0.3137, 3.1534

Previews

White Background



This preview shows how the XYZ color 50.5850, 68.8576, 13.2095 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 50.5850, 68.8576, 13.2095 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 50.5850, 68.8576, 13.2095

Background



This preview shows how black text looks on a background with the XYZ color 50.5850, 68.8576, 13.2095.



This preview shows how white text looks on a background with the XYZ color 50.5850, 68.8576,

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

50.5850, 68.8576, 13.2095

Protanopia

61.9359, 68.3336, 12.1158

Deuteranopia

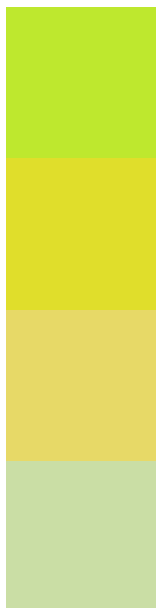
68.1690, 68.1210, 32.4774



Tritanopia

65.5583, 68.5502, 86.8670

Trichromacy



Original Color

50.5850, 68.8576, 13.2095

Protanomaly

57.2978, 68.2643, 12.4419

Deuteranomaly

60.2160, 67.5939, 22.7052

Tritanomaly

57.2699, 67.5157, 45.6107

Monochromacy



Original Color

50.5850, 68.8576, 13.2095

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.5102, 59.6785, 34.8435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5850, 68.8576, 13.2095 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(190, 232, 46)` looks like.

```
.text, #text, p{  
    color:rgb(190, 232, 46)  
}
```

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(190, 232, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 232, 46) }
```

Border

The CSS property to change the border of an element to XYZ 50.5850, 68.8576, 13.2095 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(190, 232, 46) }
```


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

```
.border{ border-color:rgb(190, 232, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 232, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 232, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 232, 46);  
box-shadow:4px 4px 4px 4px rgb(190, 232,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5850, 68.8576, 13.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 232, 46) }
```

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

```
.background{ background-color: rgb(190,  
232, 46) }
```

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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