

Converting Colors

XYZ(48.2059, 68.1060, 10.6625)

Have a look what the booklet for
XYZ(48.2059, 68.1060, 10.6625)
contains.

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Color

**XYZ(48.2059, 68.1060,
10.6625)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E902
RGB	181, 233, 2
RGB Percent	71%, 91%, 1%
CMY	0.2902, 0.0863, 0.9920
CMYK	0.22, 0.00, 0.99, 0.09
HSL	74°, 98%, 46%
HSV	74°, 99%, 91%
XYZ	48.2059, 68.1060, 10.6625
YIQ	191.1180, 43.1590, -82.8650

Conversions

Conversions Part 2

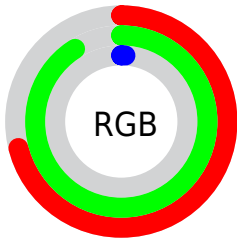
Format	Color
R _Y B	2, 233, 54
Decimal	11921666
CIE Lab	86.06, -41.17, 83.78
CIE LCh	86, 93.348, 116.170
Yxy	68.1060, 0.3797, 0.5364
Android (android.graphics.Color)	4290111746 (0xFFB5E902)
YUV	191.1180, -93.2352, -8.8735
Hunter-Lab	82.5264, -40.1544, 50.1081

Details

The XYZ color **48.2059, 68.1060, 10.6625** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.2543, 6.7130, 77.5340**, and the grayscale version is **50.1003, 52.7094, 57.4006**.

A 20% lighter version of the original color is **73.8811, 90.9590, 23.3357**, and **23.7482, 35.5819, 5.6163** is the 20% darker color. If you saturate the color by 10%, you get **48.0891, 68.0494, 10.6003**, and if you desaturate by 10%, it is **49.6290, 68.8225, 11.6070**.

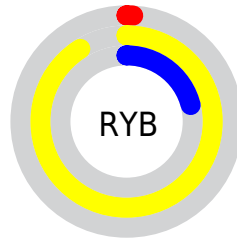
Distribution



Red (71%)

Green (91%)

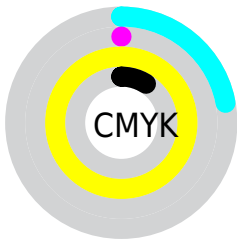
Blue (1%)



Red (1%)

Yellow (91%)

Blue (21%)

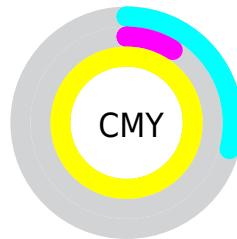


Cyan (22%)

Magenta (0%)

Yellow (99%)

Black (9%)



Cyan (29%)


Magenta (9%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2059, 68.1060, 10.6625 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 48.2059, 68.1060, 10.6625 by changing the saturation by 10% instead.


 48.2059, 68.1060,
10.6625

 48.2059, 68.1060,
10.6625


370.1767,
453.8715, 205.9909


 34.2019, 49.9840,
5.7291


 86.7187, 116.5038,
27.6614

 23.2124, 35.4007,
2.6149


 111.9583,
147.5483, 40.5640


 14.8720, 23.9717,
0.9002


 141.6737,
183.6691, 56.9600

 8.8153, 15.3126,
0.0000

 176.2304,
225.2507, 77.2680

 4.6770, 9.0391,
0.0000

 215.9937,
272.6773, 101.9066

 2.0918, 4.7667,
0.0000

 261.3289,

 0.6848, 2.1110,

326.3333, 131.2942

0.0000

312.6015,
386.6033, 165.8494

■ 0.0000, 0.6708,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2059, 68.1060,
10.6625

■ 48.2059, 68.1060,
10.6625

■ 48.0891, 68.0494,
10.6003

■ 49.6290, 68.8225,
11.6070

■ 51.2970, 69.6399,
13.6036

■ 53.2655, 70.5830,
16.9362

■ 55.5697, 71.6659,
21.7867

■ 58.2392, 72.9005,
28.3086

■ 61.3000, 74.2972,
36.6367

■ 64.7755, 75.8655,
46.8921

■ 68.6871, 77.6140,
59.1854

■ 73.0549, 79.5507,
73.6186

Harmonies

Analogous

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



67.5242, 68.1060, 7.7330



48.2059, 68.1060, 10.6625



36.1805, 68.1060, 25.9468

Triad

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



48.2059, 68.1060, 10.6625



44.3944, 68.1060, 221.7426



115.1690, 68.1060, 82.3208

Complementary

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



48.2059, 68.1060, 10.6625



16.2543, 6.7130, 77.5340

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.



105.3532, 68.1060, 161.1748



48.2059, 68.1060, 10.6625



62.0192, 68.1060, 265.2363

Square

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



48.2059, 68.1060, 10.6625



34.3449, 68.1060, 139.3350



84.6614, 68.1060, 238.5086



109.2074, 68.1060, 33.3335

Rectangle

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



48.2059, 68.1060, 10.6625



32.3973, 68.1060, 49.3714



84.6614, 68.1060, 238.5086



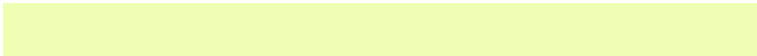
113.5576, 68.1060, 106.0949

Sweetspot

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



48.2075, 68.1091, 10.6639



79.0306, 92.8927, 56.1479



34.8486, 19.7919, 2.0419



16.5202, 19.7047, 10.8357



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.



48.2075, 68.1091, 10.6639



58.9390, 83.4692, 13.0048



31.4991, 59.4956, 9.8820



16.0010, 17.4460, 16.0428



27.3972, 38.6683, 6.0197



2.2325, 3.0782, 0.4765

Inverse Universe

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



16.2543, 6.7130, 77.5340



19.7612, 8.1022, 95.1301



30.7865, 14.2046, 78.2141



14.5484, 14.7125, 18.9953



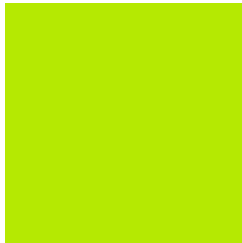
9.2508, 3.8049, 43.9898



0.8078, 0.3407, 3.4581

Previews

White Background



This preview shows how the XYZ color 48.2059, 68.1060, 10.6625 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 48.2059, 68.1060, 10.6625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

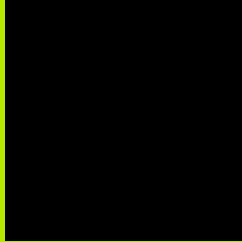
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2059, 68.1060, 10.6625

Background



This preview shows how black text looks on a background with the XYZ color 48.2059, 68.1060, 10.6625.



This preview shows how white text looks on a background with the XYZ color 48.2059, 68.1060,

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

48.2059, 68.1060, 10.6625

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

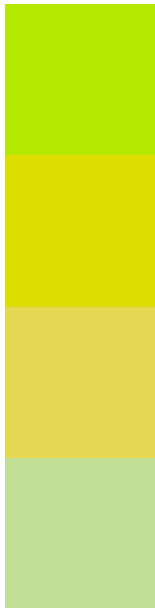
67.4491, 67.4442, 29.8851



Tritanopia

63.7515, 67.9837, 87.6040

Trichromacy



Original Color

48.2059, 68.1060, 10.6625

Protanomaly

55.6420, 67.4604, 10.1172

Deuteranomaly

58.0738, 66.2149, 17.7026

Tritanomaly

54.1408, 66.4467, 38.8261

Monochromacy



Original Color

48.2059, 68.1060, 10.6625

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

46.0777, 56.1125, 26.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2059, 68.1060, 10.6625 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(181, 233, 2)` looks like.

```
.text, #text, p{  
    color:rgb(181, 233, 2)  
}
```

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(181, 233, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 233, 2) }
```

Border

The CSS property to change the border of an element to XYZ 48.2059, 68.1060, 10.6625 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(181, 233, 2) }
```


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

```
.border{ border-color:rgb(181, 233, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 233, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 233, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 233, 2);  
box-shadow:4px 4px 4px 4px rgb(181, 233,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2059, 68.1060, 10.6625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 233, 2) }
```

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

```
.background{ background-color: rgb(181,  
233, 2) }
```

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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