

Converting Colors

XYZ(48.2336, 65.6979, 18.4131)

Have a look what the booklet for
XYZ(48.2336, 65.6979, 18.4131)
contains.

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Color

**XYZ(48.3608, 65.9351,
18.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E453
RGB	181, 228, 83
RGB Percent	71%, 89%, 33%
CMY	0.2902, 0.1059, 0.6745
CMYK	0.21, 0.00, 0.64, 0.11
HSL	79°, 73%, 61%
HSV	79°, 64%, 89%
XYZ	48.3608, 65.9351, 18.3615
YIQ	197.4170, 18.5330, -55.0590

Conversions

Conversions Part 2

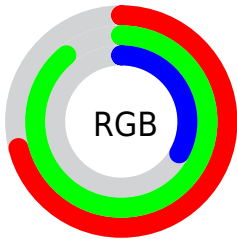
Format	Color
RYB	83, 228, 130
Decimal	11920467
CIELab	84.96, -36.02, 63.58
CIELCh	85, 73.073, 119.533
Yxy	65.9351, 0.3646, 0.4970
Android (android.graphics.Color)	4290110547 (0xFFB5E453)
YUV	197.4170, -56.4076, -14.3977
Hunter-Lab	81.2004, -35.7909, 43.4333

Details

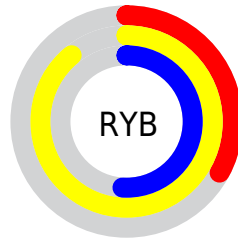
The XYZ color **48.3608, 65.9351, 18.3615** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.3054, 16.5356, 75.2079**, and the grayscale version is **53.6476, 56.4415, 61.4647**.

A 20% lighter version of the original color is **76.2826, 91.8802, 37.7589**, and **23.1910, 33.8406, 5.9714** is the 20% darker color. If you saturate the color by 10%, you get **45.9343, 64.7719, 14.3845**, and if you desaturate by 10%, it is **51.1718, 67.2674, 23.8695**.

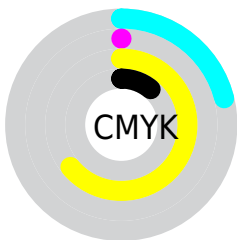
Distribution



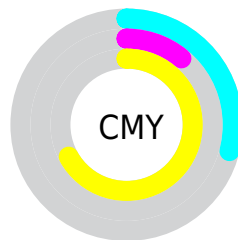
- Red (71%)
- Green (89%)
- Blue (33%)



- Red (33%)
- Yellow (89%)
- Blue (51%)



- Cyan (21%)
- Magenta (0%)
- Yellow (64%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3608, 65.9351, 18.3615 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 48.3608, 65.9351, 18.3615 by changing the saturation by 10% instead.


 48.3608, 65.9351,
18.3615


 48.3608, 65.9351,
18.3615


370.7793,
446.1447, 255.2050


 34.3251, 48.2197,
11.0377


 86.9478, 113.3932,
41.4746


 23.3076, 34.0009,
5.9777

 112.2299,
143.9047, 58.1010

 14.9427, 22.8943,
2.7630


 141.9914,
179.4503, 78.6653

 8.8652, 14.5155,
0.9749

 176.5978,
220.4145, 103.5861

 4.7098, 8.4801,
0.0000

216.4145,
267.1817, 133.2819

 2.1110, 4.4036,
0.0000

261.8067,

 0.6952, 1.9018,

320.1362, 168.1713

0.0000

313.1399,
379.6624, 208.6728

■ 0.0000, 0.5495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3608, 65.9351,
18.3615

■ 48.3608, 65.9351,
18.3615

■ 45.9343, 64.7719,
14.3845

■ 51.1718, 67.2674,
23.8695

■ 43.8566, 63.7563,
11.7784

■ 54.3895, 68.7708,
31.0392

■ 42.0918, 62.8762,
10.3551

■ 58.0398, 70.4582,
39.9922

■ 41.0887, 62.3687,
9.8728

■ 62.1446, 72.3385,
50.8375

66.7242, 74.4200,
63.6755

71.7976, 76.7104,
78.5992

77.3826, 79.2169,
95.6961

81.7744, 81.2578,
105.9821

84.3370, 82.5789,
106.1020

Harmonies

Analogous

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



62.9271, 65.9351, 14.0245



48.3608, 65.9351, 18.3615



39.2076, 65.9351, 35.0151

Triad

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



48.3608, 65.9351, 18.3615



47.9867, 65.9351, 181.3143



99.8341, 65.9351, 72.5318

Complementary

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



48.3608, 65.9351, 18.3615



26.3054, 16.5356, 75.2079

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.



94.0070, 65.9351, 128.0839



48.3608, 65.9351, 18.3615



62.4123, 65.9351, 205.4596

Square

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



48.3608, 65.9351, 18.3615



39.0196, 65.9351, 126.2149



79.5537, 65.9351, 182.6848



94.3447, 65.9351, 35.8121

Rectangle

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



48.3608, 65.9351, 18.3615



36.4696, 65.9351, 56.5878



79.5537, 65.9351, 182.6848



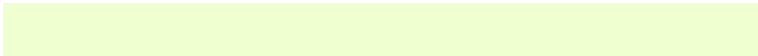
99.1207, 65.9351, 89.5016

Sweetspot

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



48.3624, 65.9380, 18.3629



82.6634, 94.4049, 72.6086



41.3980, 32.7993, 12.3335



17.3373, 20.0445, 14.5538



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.



48.3624, 65.9380, 18.3629



58.3902, 83.0884, 17.4034



35.6856, 59.4030, 17.7696



15.1236, 16.5708, 15.3058



23.8541, 36.0787, 5.7067



1.8590, 2.7157, 0.4262

Inverse Universe

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



26.3054, 16.5356, 75.2079



28.0453, 14.8658, 95.9990



41.2989, 24.2650, 75.9096



14.0206, 14.1128, 18.1294



9.8233, 4.1300, 42.6626



0.8204, 0.3539, 3.1570

Previews

White Background



This preview shows how the XYZ color 48.3608, 65.9351, 18.3615 looks on a white background.

Color Contrast Check

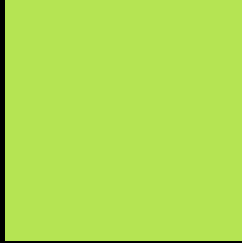
Large Text (above 18pt) WCAG AA × Fail

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 48.3608, 65.9351, 18.3615 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 48.3608, 65.9351, 18.3615

Background



This preview shows how black text looks on a background with the XYZ color 48.3608, 65.9351, 18.3615.



This preview shows how white text looks on a background with the XYZ color 48.3608, 65.9351,

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

48.3608, 65.9351, 18.3615

Protanopia

59.5107, 65.4699, 16.7081

Deuteranopia

66.0471, 65.3523, 27.2224



Tritanopia

61.6304, 65.4438, 84.2466

Trichromacy



Original Color

48.3608, 65.9351, 18.3615

Protanomaly

54.8383, 65.3209, 17.3073

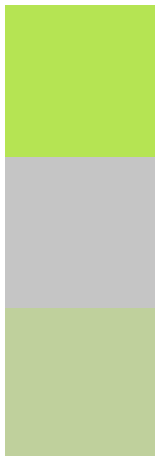
Deuteranomaly

58.1922, 64.6425, 23.3201

Tritanomaly

54.7454, 64.5236, 51.1639

Monochromacy



Original Color

48.3608, 65.9351, 18.3615

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.0425, 58.5884, 40.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3608, 65.9351, 18.3615 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, 228, 83)` looks like.

```
.text, #text, p{  
    color:rgb(181, 228, 83)  
}
```

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, 228, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 228, 83) }
```

Border

The CSS property to change the border of an element to XYZ 48.3608, 65.9351, 18.3615 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, 228, 83) }
```


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

```
.border{ border-color:rgb(181, 228, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 228, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 228, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 228, 83);  
box-shadow:4px 4px 4px 4px rgb(181, 228,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3608, 65.9351, 18.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 228, 83) }
```

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

```
.background{ background-color: rgb(181,  
228, 83) }
```

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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