

Converting Colors

XYZ(48.5113, 66.0723, 19.0351)

Have a look what the booklet for
XYZ(48.5113, 66.0723, 19.0351)
contains.

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Color

**XYZ(48.4792, 65.9824,
18.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E456
RGB	181, 228, 86
RGB Percent	71%, 89%, 34%
CMY	0.2902, 0.1059, 0.6627
CMYK	0.21, 0.00, 0.62, 0.11
HSL	80°, 72%, 62%
HSV	80°, 62%, 89%
XYZ	48.4792, 65.9824, 18.9849
YIQ	197.7590, 17.5700, -54.1260

Conversions

Conversions Part 2

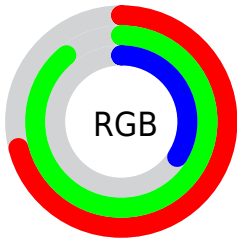
Format	Color
RYB	86, 228, 133
Decimal	11920470
CIELab	84.99, -35.80, 62.38
CIELCh	85, 71.925, 119.849
Yxy	65.9824, 0.3633, 0.4944
Android (android.graphics.Color)	4290110550 (0xFFB5E456)
YUV	197.7590, -55.0972, -14.6976
Hunter-Lab	81.2296, -35.6198, 43.0035

Details

The XYZ color **48.4792, 65.9824, 18.9849** 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 **27.0069, 17.2454, 75.3078**, and the grayscale version is **53.8482, 56.6525, 61.6946**.

A 20% lighter version of the original color is **76.1643, 91.7938, 38.9030**, and **23.2402, 33.8603, 6.2305** is the 20% darker color. If you saturate the color by 10%, you get **45.9816, 64.7867, 14.8142**, and if you desaturate by 10%, it is **51.3688, 67.3506, 24.7056**.

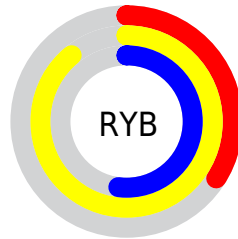
Distribution



Red (71%)

Green (89%)

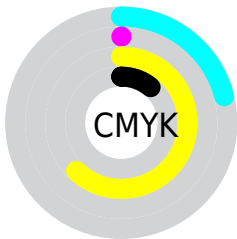
Blue (34%)



Red (34%)

Yellow (89%)

Blue (52%)

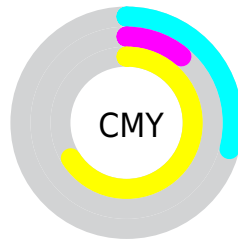


Cyan (21%)

Magenta (0%)

Yellow (62%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4792, 65.9824, 18.9849 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 48.4792, 65.9824, 18.9849 by changing the saturation by 10% instead.


 48.4792, 65.9824,
18.9849


 48.4792, 65.9824,
18.9849


371.2395,
446.3139, 258.7853

 34.4194, 48.2581,
11.4827


 87.1228, 113.4611,
42.5449


 23.3804, 34.0313,
6.2742


 112.4374,
143.9842, 59.4398

 14.9969, 22.9177,
2.9411


 142.2341,
179.5425, 80.3027

 8.9035, 14.5327,
1.0646

 176.8785,
220.5203, 105.5520

 4.7349, 8.4921,
0.0000

216.7359,
267.3019, 135.6064

 2.1257, 4.4114,
0.0000

262.1716,

 0.7031, 1.9063,

320.2718, 170.8844

0.0000

313.5510,
379.8143, 211.8046

■ 0.0000, 0.5521,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.4792, 65.9824,
18.9849

■ 48.4792, 65.9824,
18.9849

■ 45.9816, 64.7867,
14.8142

■ 51.3688, 67.3506,
24.7056

■ 43.8407, 63.7423,
12.0365


■ 54.6724, 68.8933,
32.1048


■ 42.0218, 62.8374,
10.4694


■ 58.4153, 70.6232,
41.3023


■ 40.7933, 62.2163,
9.8589


■ 62.6196, 72.5491,
52.4060

 67.3054, 74.6794,
65.5152

 72.4915, 77.0218,
80.7221

 78.1959, 79.5834,
98.1136

 82.2001, 81.4773,
106.0020

 84.8357, 82.8359,
106.1254

Harmonies

Analogous

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



62.7965, 65.9824, 14.5249



48.4792, 65.9824, 18.9849



39.4906, 65.9824, 35.7607

Triad

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



48.4792, 65.9824, 18.9849



48.3594, 65.9824, 179.6042



99.2216, 65.9824, 72.0792

Complementary

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



48.4792, 65.9824, 18.9849



27.0069, 17.2454, 75.3078

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.



93.6196, 65.9824, 126.4843



48.4792, 65.9824, 18.9849



62.6322, 65.9824, 202.7185

Square

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



48.4792, 65.9824, 18.9849



39.4303, 65.9824, 125.8911



79.4943, 65.9824, 180.0379



93.7270, 65.9824, 36.0172

Rectangle

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



48.4792, 65.9824, 18.9849



36.8206, 65.9824, 57.2663



79.4943, 65.9824, 180.0379



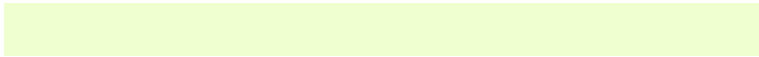
98.5624, 65.9824, 88.7059

Sweetspot

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



48.4808, 65.9853, 18.9863



82.5513, 94.3471, 72.6033



41.7889, 33.3917, 13.0478



17.3101, 20.0304, 14.5526



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.



48.4808, 65.9853, 18.9863



58.3387, 83.0537, 17.7695



36.1116, 59.6088, 18.4074



15.1137, 16.5657, 15.3054



23.6846, 35.9913, 5.6987



1.8474, 2.7097, 0.4257

Inverse Universe

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



27.0069, 17.2454, 75.3078



28.6303, 15.3751, 96.0665



41.6819, 24.8106, 75.9946



14.0300, 14.1177, 18.1299



9.8950, 4.1670, 42.6659



0.8266, 0.3571, 3.1573

Previews

White Background



This preview shows how the XYZ color 48.4792, 65.9824, 18.9849 looks on a white background.

Color Contrast Check

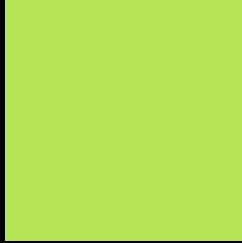
Large Text (above 18pt) WCAG AA × Fail

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 48.4792, 65.9824, 18.9849 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 48.4792, 65.9824, 18.9849

Background



This preview shows how black text looks on a background with the XYZ color 48.4792, 65.9824, 18.9849.

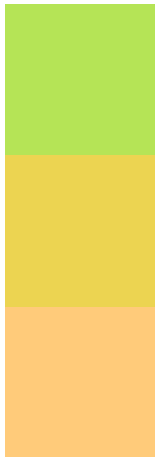


This preview shows how white text looks on a background with the XYZ color 48.4792, 65.9824,

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

48.4792, 65.9824, 18.9849

Protanopia

59.6208, 65.5139, 17.2877

Deuteranopia

66.1088, 65.3770, 27.5471



Tritanopia

61.7591, 65.8684, 85.0601

Trichromacy



Original Color

48.4792, 65.9824, 18.9849

Protanomaly

54.9516, 65.3663, 17.9043

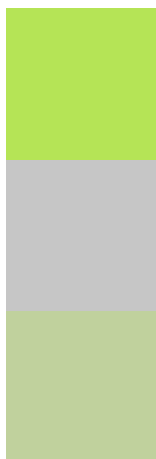
Deuteranomaly

58.2987, 64.6851, 23.8808

Tritanomaly

55.1056, 65.0839, 51.7775

Monochromacy



Original Color

48.4792, 65.9824, 18.9849

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.6245, 59.2417, 40.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4792, 65.9824, 18.9849 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(181, 228, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 228, 86) }
```

Border

The CSS property to change the border of an element to XYZ 48.4792, 65.9824, 18.9849 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, 86) }
```


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

```
.border{ border-color:rgb(181, 228, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 228, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 228, 86);  
box-shadow:4px 4px 4px 4px rgb(181, 228,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4792, 65.9824, 18.9849 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, 86) }
```

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

```
.background{ background-color: rgb(181,  
228, 86) }
```

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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