

Converting Colors

XYZ(48.1594, 64.9504, 18.2889)

Have a look what the booklet for
XYZ(48.1594, 64.9504, 18.2889)
contains.

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Color

**XYZ(48.3250, 65.1001,
18.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E254
RGB	183, 226, 84
RGB Percent	72%, 89%, 33%
CMY	0.2824, 0.1137, 0.6706
CMYK	0.19, 0.00, 0.63, 0.11
HSL	78°, 71%, 61%
HSV	78°, 63%, 89%
XYZ	48.3250, 65.1001, 18.4061
YIQ	196.9550, 19.9540, -53.2780

Conversions

Conversions Part 2

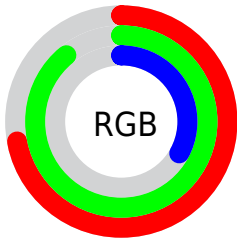
Format	Color
RYB	84, 226, 127
Decimal	12051028
CIELab	84.54, -34.27, 62.75
CIELCh	85, 71.501, 118.642
Yxy	65.1001, 0.3666, 0.4938
Android (android.graphics.Color)	4290241108 (0xFFB7E254)
YUV	196.9550, -55.6868, -12.2385
Hunter-Lab	80.6846, -34.2879, 42.9538

Details

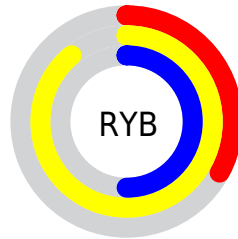
The XYZ color **48.3250, 65.1001, 18.4061** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **25.6528, 16.3454, 73.7583**, and the grayscale version is **53.3625, 56.1416, 61.1382**.

A 20% lighter version of the original color is **77.0381, 92.2613, 38.1740**, and **23.1237, 33.2430, 5.9568** is the 20% darker color. If you saturate the color by 10%, you get **45.9906, 63.9851, 14.3985**, and if you desaturate by 10%, it is **51.0272, 66.3760, 23.9236**.

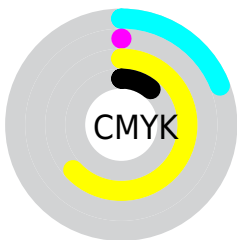
Distribution



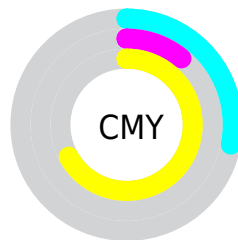
- Red (72%)
- Green (89%)
- Blue (33%)



- Red (33%)
- Yellow (89%)
- Blue (50%)



- Cyan (19%)
- Magenta (0%)
- Yellow (63%)
- Black (11%)





- Cyan (28%)
- Magenta (11%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3250, 65.1001, 18.4061 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 48.3250, 65.1001, 18.4061 by changing the saturation by 10% instead.


 48.3250, 65.1001,
18.4061


 48.3250, 65.1001,
18.4061


370.6401,
443.1516, 255.4627


 34.2967, 47.5423,
11.0695


 86.8949, 112.1938,
41.5513


 23.2856, 33.4645,
5.9988


 112.1671,
142.4984, 58.1971

 14.9264, 22.4825,
2.7756


 141.9180,
177.8207, 78.7829

 8.8537, 14.2119,
0.9812

 176.5129,
218.5451, 103.7274

 4.7022, 8.2682,
0.0000

216.3173,
265.0560, 133.4491

 2.1066, 4.2670,
0.0000

261.6963,

 0.6928, 1.8240,

317.7378, 168.3665

0.0000

313.0155,
376.9748, 208.8982

■ 0.0000, 0.5021,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3250, 65.1001,
18.4061

■ 48.3250, 65.1001,
18.4061

■ 45.9906, 63.9851,
14.3985

■ 51.0272, 66.3760,
23.9236

■ 43.9896, 63.0102,
11.7461


■ 54.1185, 67.8144,
31.0777

■ 42.2879, 62.1639,
10.2682


■ 57.6236, 69.4278,
39.9864

■ 41.2116, 61.6200,
9.7218


■ 61.5637, 71.2247,
50.7555

 65.9583, 73.2131,
63.4828

 70.8257, 75.4003,
78.2589

 76.1829, 77.7933,
95.1688

 80.4262, 79.7508,
105.7623

 82.7653, 80.9566,
105.8717

Harmonies

Analogous

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



62.6044, 65.1001, 14.3823



48.3250, 65.1001, 18.4061



39.2333, 65.1001, 34.3337

Triad

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



48.3250, 65.1001, 18.4061



47.2666, 65.1001, 175.2700



97.8238, 65.1001, 72.9821

Complementary

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



48.3250, 65.1001, 18.4061



25.6528, 16.3454, 73.7583

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.



91.8883, 65.1001, 127.0289



48.3250, 65.1001, 18.4061



61.1527, 65.1001, 199.7090

Square

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



48.3250, 65.1001, 18.4061



38.7000, 65.1001, 121.7903



77.7487, 65.1001, 179.0988



92.8364, 65.1001, 36.6026

Rectangle

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



48.3250, 65.1001, 18.4061



36.4430, 65.1001, 54.9734



77.7487, 65.1001, 179.0988



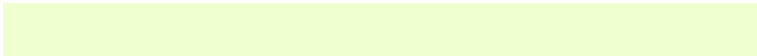
97.0237, 65.1001, 89.5991

Sweetspot

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



48.3265, 65.1030, 18.4075



83.0137, 94.5855, 72.6250



40.5045, 31.8866, 12.4083



17.4225, 20.0884, 14.5578



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.



48.3265, 65.1030, 18.4075



59.7249, 83.7683, 17.8343



35.5319, 58.5071, 17.8087



14.4466, 15.8104, 14.5971



23.6357, 35.2172, 5.5519



1.7278, 2.4872, 0.3890

Inverse Universe

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



25.6528, 16.3454, 73.7583



27.8489, 14.9723, 96.0299



40.0836, 23.7848, 74.4336



13.3404, 13.4435, 17.2794



9.3149, 3.8973, 41.3097



0.7346, 0.3160, 2.8675

Previews

White Background



This preview shows how the XYZ color 48.3250, 65.1001, 18.4061 looks on a white background.

Color Contrast Check

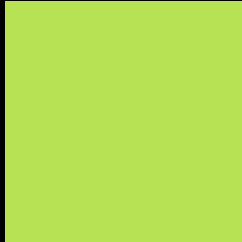
Large Text (above 18pt) WCAG AA × Fail

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 48.3250, 65.1001, 18.4061 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 48.3250, 65.1001, 18.4061

Background



This preview shows how black text looks on a background with the XYZ color 48.3250, 65.1001, 18.4061.



This preview shows how white text looks on a background with the XYZ color 48.3250, 65.1001,

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

48.3250, 65.1001, 18.4061

Protanopia

59.0032, 64.8299, 16.9930

Deuteranopia

65.2212, 64.2711, 25.1877



Tritanopia

61.3665, 64.9678, 82.7045

Trichromacy



Original Color

48.3250, 65.1001, 18.4061

Protanomaly

54.3600, 64.3047, 17.3316

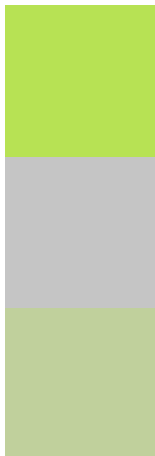
Deuteranomaly

57.8584, 63.7507, 22.3524

Tritanomaly

54.8975, 64.2296, 50.5784

Monochromacy



Original Color

48.3250, 65.1001, 18.4061

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.2949, 58.7185, 40.1355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3250, 65.1001, 18.4061 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(183, 226, 84)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 84)  
}
```

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(183, 226, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 84) }
```

Border

The CSS property to change the border of an element to XYZ 48.3250, 65.1001, 18.4061 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(183, 226, 84) }
```


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

```
.border{ border-color:rgb(183, 226, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 226, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 226, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 226, 84);  
box-shadow:4px 4px 4px 4px rgb(183, 226,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3250, 65.1001, 18.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 84) }
```

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

```
.background{ background-color: rgb(183,  
226, 84) }
```

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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