

Converting Colors

XYZ(48.3736, 65.5834, 16.0706)

Have a look what the booklet for
XYZ(48.3736, 65.5834, 16.0706)
contains.

XYZ(48.3736, 65.5834, 16.0706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.3736, 65.5834,
16.0706)**

Conversions

Conversions Part 1

Format	Color
Hex	B8E347
RGB	184, 227, 71
RGB Percent	72%, 89%, 28%
CMY	0.2784, 0.1098, 0.7215
CMYK	0.19, 0.00, 0.69, 0.11
HSL	77°, 74%, 58%
HSV	77°, 69%, 89%
XYZ	48.3736, 65.5834, 16.0706
YIQ	196.3590, 24.4480, -57.6320

Conversions

Conversions Part 2

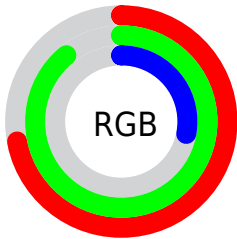
Format	Color
RYB	71, 227, 114
Decimal	12116807
CIELab	84.78, -35.21, 68.07
CIELCh	85, 76.637, 117.350
Yxy	65.5834, 0.3720, 0.5044
Android (android.graphics.Color)	4290306887 (0xFFB8E347)
YUV	196.3590, -61.8020, -10.8388
Hunter-Lab	80.9836, -35.0986, 44.9228

Details

The XYZ color **48.3736, 65.5834, 16.0706** 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 **23.0603, 13.6317, 74.0926**, and the grayscale version is **53.0362, 55.7982, 60.7643**.

A 20% lighter version of the original color is **76.6184, 92.1332, 34.1673**, and **23.3153, 33.6378, 5.2639** is the 20% darker color. If you saturate the color by 10%, you get **46.3112, 64.5914, 12.8560**, and if you desaturate by 10%, it is **50.7774, 66.7243, 20.7235**.

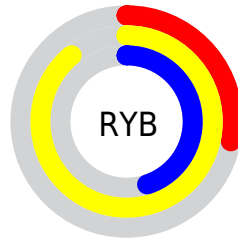
Distribution



Red (72%)

Green (89%)

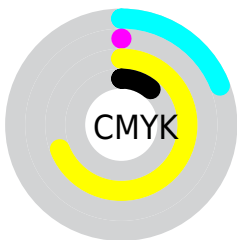
Blue (28%)



Red (28%)

Yellow (89%)

Blue (45%)

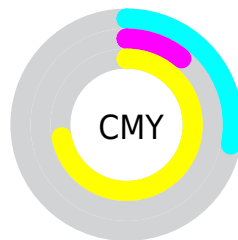


Cyan (19%)

Magenta (0%)

Yellow (69%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3736, 65.5834, 16.0706 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 48.3736, 65.5834, 16.0706 by changing the saturation by 10% instead.

■ 48.3736, 65.5834,
16.0706

■ 48.3736, 65.5834,
16.0706

370.8291,
444.8855, 241.6179

■ 34.3353, 47.9343,
9.4192

■ 86.9667, 112.8882,
37.4892

■ 23.3154, 33.7749,
4.9151

■ 112.2523,
143.3127, 53.0936

■ 14.9486, 22.7207,
2.1397

■ 142.0177,
178.7644, 72.5193

■ 8.8694, 14.3874,
0.6392

■ 176.6282,
219.6278, 96.1850

■ 4.7125, 8.3906,
0.0000

■ 216.4493,
266.2871, 124.5091

■ 2.1126, 4.3459,
0.0000

261.8462,

■ 0.6960, 1.8689,

319.1270, 157.9103

0.0000

313.1843,
378.5316, 196.8070

0.0000, 0.5296,
0.0000

0.0000, 0.0000,
0.0000

48.3736, 65.5834,
16.0706

48.3736, 65.5834,
16.0706

46.3112, 64.5914,
12.8560

50.7774, 66.7243,
20.7235

44.5527, 63.7262,
10.9065


53.5460, 68.0165,
26.9537


43.0505, 62.9709,
9.9690


56.7056, 69.4730,
34.8881


42.8682, 62.8788,
9.8774


60.2785, 71.1028,
44.6401

 64.2851, 72.9140,
56.3129

 68.7444, 74.9145,
70.0022

 73.6740, 77.1113,
85.7971

 79.0907, 79.5113,
103.7817

 81.5650, 80.7427,
105.8937

Harmonies

Analogous

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



63.8727, 65.5834, 12.5027



48.3736, 65.5834, 16.0706



38.4794, 65.5834, 31.6024

Triad

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



48.3736, 65.5834, 16.0706



46.1769, 65.5834, 184.1597



101.4389, 65.5834, 75.8669

Complementary

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



48.3736, 65.5834, 16.0706



23.0603, 13.6317, 74.0926

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.



94.4427, 65.5834, 135.4732



48.3736, 65.5834, 16.0706



60.8223, 65.5834, 213.4776

Square

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



48.3736, 65.5834, 16.0706



37.3842, 65.5834, 124.2064



78.7534, 65.5834, 192.4969



96.4690, 65.5834, 36.2029

Rectangle

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



48.3736, 65.5834, 16.0706



35.3684, 65.5834, 52.6524



78.7534, 65.5834, 192.4969



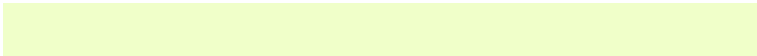
100.3835, 65.5834, 94.1627

Sweetspot

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



48.3751, 65.5863, 16.0720



82.3715, 94.3251, 69.4014



38.6789, 28.5092, 9.4264



17.3166, 20.0475, 13.9329



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.



48.3751, 65.5863, 16.0720



59.3705, 83.6349, 15.5884



34.7203, 58.5470, 15.4330



15.1939, 16.6070, 15.3091



25.1177, 36.7301, 5.7658



1.9446, 2.7599, 0.4302

Inverse Universe

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



23.0603, 13.6317, 74.0926



24.6792, 12.0820, 95.6391



37.5062, 21.0788, 74.7686



13.9539, 14.0785, 18.1263



9.3629, 3.8926, 42.6410



0.7796, 0.3329, 3.1551

Previews

White Background



This preview shows how the XYZ color 48.3736, 65.5834, 16.0706 looks on a white background.

Color Contrast Check

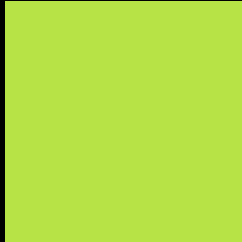
Large Text (above 18pt) WCAG AA × Fail

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 48.3736, 65.5834, 16.0706 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 48.3736, 65.5834, 16.0706

Background



This preview shows how black text looks on a background with the XYZ color 48.3736, 65.5834, 16.0706.

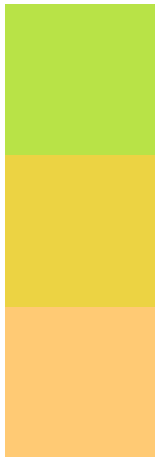


This preview shows how white text looks on a background with the XYZ color 48.3736, 65.5834,

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

48.3736, 65.5834, 16.0706

Protanopia

58.8995, 64.8266, 14.7187

Deuteranopia

65.5129, 64.7620, 25.5704



Tritanopia

62.0435, 65.3007, 83.4630

Trichromacy



Original Color

48.3736, 65.5834, 16.0706

Protanomaly

54.4715, 64.7948, 15.1045

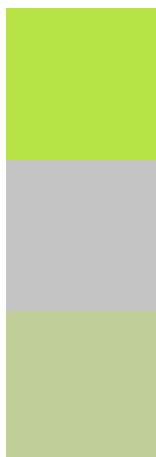
Deuteranomaly

57.9076, 64.1666, 21.3899

Tritanomaly

54.7649, 64.2064, 48.5364

Monochromacy



Original Color

48.3736, 65.5834, 16.0706

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

49.6370, 58.0665, 37.8700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3736, 65.5834, 16.0706 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(184, 227, 71)` looks like.

```
.text, #text, p{  
    color:rgb(184, 227, 71)  
}
```

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(184, 227, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 227, 71) }
```

Border

The CSS property to change the border of an element to XYZ 48.3736, 65.5834, 16.0706 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(184, 227, 71) }
```


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

```
.border{ border-color:rgb(184, 227, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 227, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 227, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 227, 71);  
box-shadow:4px 4px 4px 4px rgb(184, 227,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3736, 65.5834, 16.0706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 227, 71) }
```

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

```
.background{ background-color: rgb(184,  
227, 71) }
```

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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