

Converting Colors

XYZ(48.1834, 64.8307, 10.5664)

Have a look what the booklet for
XYZ(48.1834, 64.8307, 10.5664)
contains.

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Color

**XYZ(48.2696, 64.8412,
10.5438)**

Conversions

Conversions Part 1

Format	Color
Hex	BEE112
RGB	190, 225, 18
RGB Percent	75%, 88%, 7%
CMY	0.2549, 0.1176, 0.9293
CMYK	0.16, 0.00, 0.92, 0.12
HSL	70°, 85%, 48%
HSV	70°, 92%, 88%
XYZ	48.2696, 64.8412, 10.5438
YIQ	190.9370, 45.5870, -71.7970

Conversions

Conversions Part 2

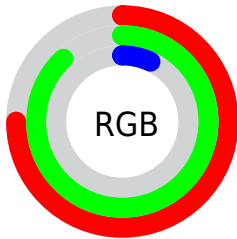
Format	Color
R_{YB}	18, 225, 53
Decimal	12509458
CIE _{Lab}	84.40, -33.85, 81.26
CIE _{LCh}	84, 88.033, 112.614
Yxy	64.8412, 0.3904, 0.5244
Android (android.graphics.Color)	4290699538 (0xFFBEE112)
YUV	190.9370, -85.2579, -0.8217
Hunter-Lab	80.5240, -33.9164, 48.6034

Details

The XYZ color **48.2696, 64.8412, 10.5438** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **15.2776, 6.6274, 71.7120**, and the grayscale version is **49.9479, 52.5491, 57.2260**.

A 20% lighter version of the original color is **77.1601, 92.6343, 24.1694**, and **23.7348, 33.5747, 5.2296** is the 20% darker color. If you saturate the color by 10%, you get **47.4084, 64.4120, 9.9341**, and if you desaturate by 10%, it is **49.5167, 65.4536, 12.0783**.

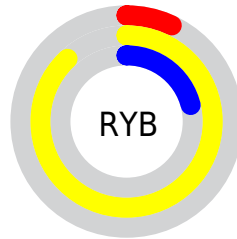
Distribution



Red (75%)

Green (88%)

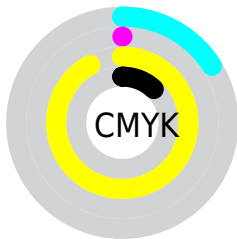
Blue (7%)



Red (7%)

Yellow (88%)

Blue (21%)

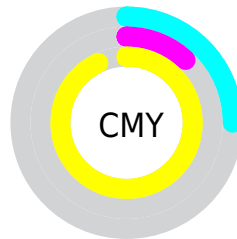


Cyan (16%)

Magenta (0%)

Yellow (92%)

Black (12%)



Cyan (25%)


Magenta (12%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2696, 64.8412, 10.5438 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 48.2696, 64.8412, 10.5438 by changing the saturation by 10% instead.


 48.2696, 64.8412,
10.5438


 48.2696, 64.8412,
10.5438


370.4246,
442.2211, 205.1342


 34.2526, 47.3323,
5.6507


 86.8129, 111.8215,
27.4371

 23.2515, 33.2984,
2.5685


 112.0700,
142.0618, 40.2743


 14.9010, 22.3552,
0.8761


 141.8044,
177.3146, 56.5967

 8.8358, 14.1181,
0.0000

 176.3815,
217.9644, 76.8227

 4.6905, 8.2029,
0.0000

 216.1668,
264.3955, 101.3709

 2.0997, 4.2250,
0.0000

 261.5255,

 0.6891, 1.8002,

316.9924, 130.6599

0.0000

312.8229,
376.1395, 165.1081

■ 0.0000, 0.4873,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2696, 64.8412,
10.5438

■ 48.2696, 64.8412,
10.5438

■ 47.4084, 64.4120,
9.9341

■ 49.5167, 65.4536,
12.0783

■ 51.0105, 66.1653,
14.7884

■ 52.7864, 66.9927,
18.8522

■ 54.8725, 67.9471,
24.4167

■ 57.2931, 69.0383,
31.6097

■ 60.0701, 70.2750,
40.5456

■ 63.2236, 71.6652,
51.3284

■ 66.7718, 73.2164,
64.0539

■ 70.7319, 74.9354,
78.8114

Harmonies

Analogous

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



66.5921, 64.8412, 8.5980



48.2696, 64.8412, 10.5438



36.3161, 64.8412, 23.3163

Triad

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



48.2696, 64.8412, 10.5438



41.4980, 64.8412, 195.4243



106.9573, 64.8412, 85.3729

Complementary

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



48.2696, 64.8412, 10.5438



15.2776, 6.6274, 71.7120

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.



96.6031, 64.8412, 158.2746



48.2696, 64.8412, 10.5438



56.9200, 64.8412, 240.3461

Square

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



48.2696, 64.8412, 10.5438



33.0227, 64.8412, 120.6451



77.2520, 64.8412, 224.0129



103.2752, 64.8412, 36.7549

Rectangle

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



48.2696, 64.8412, 10.5438



32.2547, 64.8412, 43.0589



77.2520, 64.8412, 224.0129



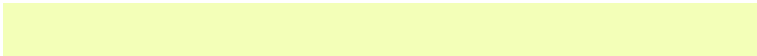
104.9394, 64.8412, 107.9248

Sweetspot

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



48.2711, 64.8441, 10.5452



81.3060, 94.0052, 58.9874



32.4136, 18.5546, 2.4462



17.0294, 19.9558, 11.3727



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.



48.2711, 64.8441, 10.5452



62.8750, 85.4983, 13.1890



30.9679, 55.9240, 9.7354



14.6324, 15.9062, 14.6058



27.4039, 37.1597, 5.7282



1.9605, 2.6072, 0.3999

Inverse Universe

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



15.2776, 6.6274, 71.7120



19.0516, 7.7363, 95.0969



27.5203, 12.9388, 72.2849



13.1670, 13.3541, 17.2713



8.3599, 3.4050, 41.2650



0.6454, 0.2700, 2.8633

Previews

White Background



This preview shows how the XYZ color 48.2696, 64.8412, 10.5438 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 48.2696, 64.8412, 10.5438 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 48.2696, 64.8412, 10.5438

Background



This preview shows how black text looks on a background with the XYZ color 48.2696, 64.8412, 10.5438.



This preview shows how white text looks on a background with the XYZ color 48.2696, 64.8412,

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

48.2696, 64.8412, 10.5438

Protanopia

58.2686, 64.6128, 9.6589

Deuteranopia

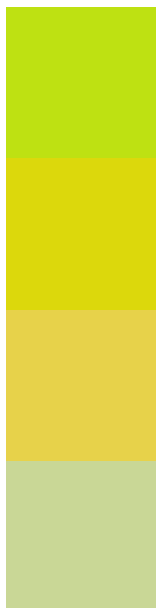
64.7282, 64.0739, 22.5916



Tritanopia

62.5404, 64.5018, 81.1054

Trichromacy



Original Color

48.2696, 64.8412, 10.5438

Protanomaly

54.1374, 64.3539, 9.9160

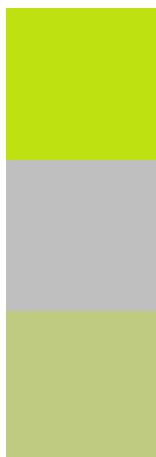
Deuteranomaly

57.2376, 63.5765, 15.7333

Tritanomaly

53.8929, 63.2204, 38.2165

Monochromacy



Original Color

48.2696, 64.8412, 10.5438

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

46.7381, 55.3468, 28.6417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2696, 64.8412, 10.5438 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(190, 225, 18)` looks like.

```
.text, #text, p{  
    color:rgb(190, 225, 18)  
}
```

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(190, 225, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 225, 18) }
```

Border

The CSS property to change the border of an element to XYZ 48.2696, 64.8412, 10.5438 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(190, 225, 18) }
```


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

```
.border{ border-color:rgb(190, 225, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 225, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 225, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 225, 18);  
box-shadow:4px 4px 4px 4px rgb(190, 225,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2696, 64.8412, 10.5438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 225, 18) }
```

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

```
.background{ background-color: rgb(190,  
225, 18) }
```

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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