

Converting Colors

XYZ(48.2429, 64.3896, 19.5123)

Have a look what the booklet for
XYZ(48.2429, 64.3896, 19.5123)
contains.

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Color

**XYZ(48.0296, 64.1168,
19.5172)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E05A
RGB	183, 224, 90
RGB Percent	72%, 88%, 35%
CMY	0.2824, 0.1215, 0.6470
CMYK	0.18, 0.00, 0.60, 0.12
HSL	78°, 68%, 62%
HSV	78°, 60%, 88%
XYZ	48.0296, 64.1168, 19.5172
YIQ	196.4650, 18.5780, -50.3660

Conversions

Conversions Part 2

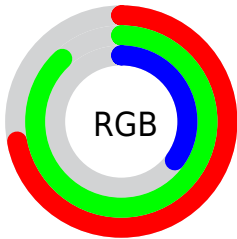
Format	Color
RYB	90, 224, 131
Decimal	12050522
CIELab	84.03, -32.89, 59.69
CIELCh	84, 68.156, 118.858
Yxy	64.1168, 0.3648, 0.4870
Android (android.graphics.Color)	4290240602 (0xFFB7E05A)
YUV	196.4650, -52.4872, -11.8088
Hunter-Lab	80.0730, -33.0593, 41.5996

Details

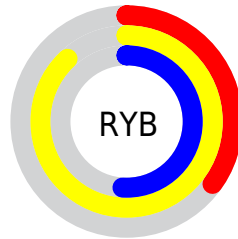
The XYZ color **48.0296, 64.1168, 19.5172** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.4733, 17.5211, 72.5114**, and the grayscale version is **53.0482, 55.8109, 60.7780**.

A 20% lighter version of the original color is **77.1465, 92.2651, 40.5310**, and **23.2149, 32.9978, 6.5845** is the 20% darker color. If you saturate the color by 10%, you get **45.6257, 62.9737, 15.1560**, and if you desaturate by 10%, it is **50.8032, 65.4215, 25.3976**.

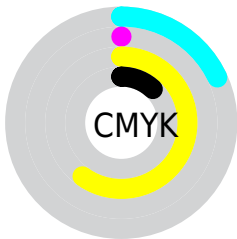
Distribution



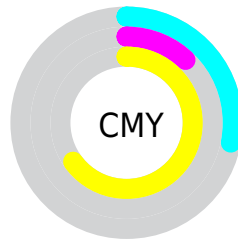
- Red (72%)
- Green (88%)
- Blue (35%)



- Red (35%)
- Yellow (88%)
- Blue (51%)



- Cyan (18%)
- Magenta (0%)
- Yellow (60%)
- Black (12%)



- Cyan (28%)
- Magenta (12%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0296, 64.1168, 19.5172 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 48.0296, 64.1168, 19.5172 by changing the saturation by 10% instead.

■ 48.0296, 64.1168,
19.5172

■ 48.0296, 64.1168,
19.5172

369.4901,
439.6113, 261.8065

■ 34.0617, 46.7453,
11.8640

■ 86.4579, 110.7791,
43.4545

■ 23.1041, 32.8343,
6.5297

■ 111.6490,
140.8387, 60.5757

■ 14.7915, 21.9996,
3.0958

■ 141.3118,
175.8965, 81.6900

■ 8.7586, 13.8566,
1.1438

■ 175.8118,
216.3368, 107.2159

■ 4.6399, 8.0210,
0.0000

215.5143,
262.5440, 137.5720

■ 2.0701, 4.1084,
0.0000

260.7846,

■ 0.6729, 1.7344,

314.9026, 173.1767

0.0000

311.9881,
373.7969, 214.4487

■ 0.0000, 0.4458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.0296, 64.1168,
19.5172

■ 48.0296, 64.1168,
19.5172

■ 45.6257, 62.9737,
15.1560

■ 50.8032, 65.4215,
25.3976

■ 43.5592, 61.9723,
12.1692


■ 53.9664, 66.8890,
32.9163


■ 41.7987, 61.1023,
10.3912


■ 57.5430, 68.5313,
42.1854


■ 40.2886, 60.3412,
9.5351


■ 61.5529, 70.3566,
53.3059


 40.2627, 60.3281,
9.5224

 66.0152, 72.3724,
66.3711

 70.9471, 74.5859,
81.4680

 76.3654, 77.0038,
98.6784

 79.9125, 78.6832,
105.5833

 82.2560, 79.8913,
105.6930

Harmonies

Analogous

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



61.5189, 64.1168, 15.4502



48.0296, 64.1168, 19.5172



39.4011, 64.1168, 35.1597

Triad

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



48.0296, 64.1168, 19.5172



47.1833, 64.1168, 167.3174



94.6435, 64.1168, 71.4750

Complementary

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



48.0296, 64.1168, 19.5172



26.4733, 17.5211, 72.5114

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.



89.1746, 64.1168, 121.9622



48.0296, 64.1168, 19.5172



60.3669, 64.1168, 189.5696

Square

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



48.0296, 64.1168, 19.5172



38.9720, 64.1168, 117.8643



75.9810, 64.1168, 170.2893



89.9191, 64.1168, 36.9996

Rectangle

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



48.0296, 64.1168, 19.5172



36.7557, 64.1168, 55.0081



75.9810, 64.1168, 170.2893



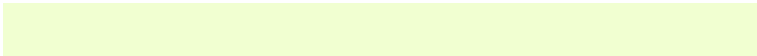
93.9225, 64.1168, 87.0595

Sweetspot

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



48.0311, 64.1197, 19.5186



83.5410, 94.8211, 74.2858



40.5976, 32.6061, 13.8276



17.5241, 20.1337, 14.8801



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.



48.0311, 64.1197, 19.5186



60.4149, 84.0972, 19.0769



35.8125, 57.8207, 18.9467



14.4422, 15.8081, 14.5969



23.5569, 35.1765, 5.5482



1.7228, 2.4846, 0.3888

Inverse Universe

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



26.4733, 17.5211, 72.5114



29.1682, 16.3344, 96.2233



40.1914, 24.5931, 73.1534



13.3445, 13.4456, 17.2796



9.3444, 3.9125, 41.3110



0.7370, 0.3172, 2.8676

Previews

White Background



This preview shows how the XYZ color 48.0296, 64.1168, 19.5172 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 48.0296, 64.1168, 19.5172 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 48.0296, 64.1168, 19.5172

Background



This preview shows how black text looks on a background with the XYZ color 48.0296, 64.1168, 19.5172.



This preview shows how white text looks on a background with the XYZ color 48.0296, 64.1168,

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

48.0296, 64.1168, 19.5172

Protanopia

58.0845, 63.5965, 18.0181

Deuteranopia

64.7087, 63.6943, 23.6356



Tritanopia

60.4649, 63.7814, 81.7972

Trichromacy



Original Color

48.0296, 64.1168, 19.5172

Protanomaly

53.7912, 63.2283, 18.3860

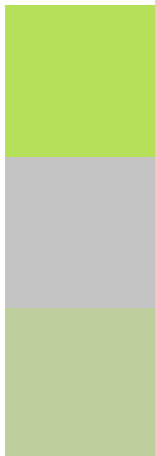
Deuteranomaly

57.5617, 63.2382, 22.0043

Tritanomaly

54.2286, 63.1127, 50.9188

Monochromacy



Original Color

48.0296, 64.1168, 19.5172

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

49.6430, 57.6533, 40.4100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0296, 64.1168, 19.5172 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, 224, 90)` looks like.

```
.text, #text, p{  
    color:rgb(183, 224, 90)  
}
```

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, 224, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 224, 90) }
```

Border

The CSS property to change the border of an element to XYZ 48.0296, 64.1168, 19.5172 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, 224, 90) }
```


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

```
.border{ border-color:rgb(183, 224, 90) }
```

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

Here you see how a box with a 4 pixel rgb(183, 224, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 224, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 224, 90);  
box-shadow:4px 4px 4px 4px rgb(183, 224,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0296, 64.1168, 19.5172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 224, 90) }
```

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

```
.background{ background-color: rgb(183,  
224, 90) }
```

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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