

Converting Colors

XYZ(48.5079, 60.1184, 29.5339)

Have a look what the booklet for
XYZ(48.5079, 60.1184, 29.5339)
contains.

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Color

**XYZ(48.6819, 60.3430,
29.5036)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD680
RGB	188, 214, 128
RGB Percent	74%, 84%, 50%
CMY	0.2627, 0.1608, 0.4980
CMYK	0.12, 0.00, 0.40, 0.16
HSL	78°, 51%, 67%
HSV	78°, 40%, 84%
XYZ	48.6819, 60.3430, 29.5036
YIQ	196.4220, 12.1100, -32.2580

Conversions

Conversions Part 2

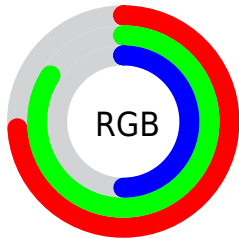
Format	Color
R _{YB}	128, 214, 154
Decimal	12375680
CIE Lab	82.02, -22.47, 39.59
CIE LCh	82, 45.520, 119.579
Yxy	60.3430, 0.3514, 0.4356
Android (android.graphics.Color)	4290565760 (0xFFBCD680)
YUV	196.4220, -33.7320, -7.3861
Hunter-Lab	77.6808, -24.0768, 31.8578

Details

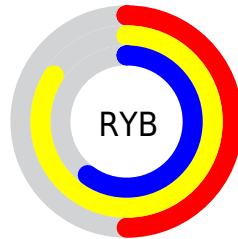
The XYZ color **48.6819, 60.3430, 29.5036** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.1855, 27.1650, 67.1160**, and the grayscale version is **52.9155, 55.6712, 60.6259**.

A 20% lighter version of the original color is **81.8597, 94.3099, 58.1451**, and **23.4106, 30.3186, 11.6394** is the 20% darker color. If you saturate the color by 10%, you get **45.8612, 59.0368, 22.7784**, and if you desaturate by 10%, it is **51.8742, 61.8103, 37.7992**.

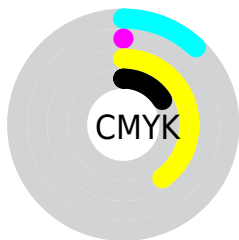
Distribution



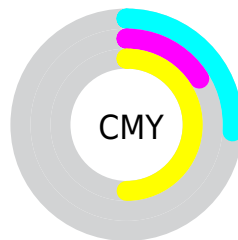
- Red (74%)
- Green (84%)
- Blue (50%)



- Red (50%)
- Yellow (84%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)





- Cyan (26%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6819, 60.3430, 29.5036 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 48.6819, 60.3430, 29.5036 by changing the saturation by 10% instead.


 48.6819, 60.3430,
29.5036


 48.6819, 60.3430,
29.5036


372.0264,
425.8609, 313.7187


 34.5807, 43.6952,
19.2133


 87.4224, 105.3271,
59.9280

 23.5051, 30.4309,
11.6461


 112.7924,
134.4321, 80.8991

 15.0896, 20.1659,
6.3836


 142.6494,
168.4583, 106.2675

 8.9690, 12.5157,
3.0072

177.3587,
207.7901, 136.4518

 4.7779, 7.0959,
1.0983

217.2857,
252.8118, 171.8706

 2.1510, 3.5222,
0.0000

262.7958,

 0.7167, 1.4100,

303.9080, 212.9423

0.0000

314.2542,
361.4629, 260.0854

■ 0.0000, 0.2241,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6819, 60.3430,
29.5036

■ 48.6819, 60.3430,
29.5036

■ 45.8612, 59.0368,
22.7784

■ 51.8742, 61.8103,
37.7992

■ 43.3879, 57.8755,
17.5206


■ 55.4516, 63.4380,
47.7520


■ 41.2414, 56.8531,
13.6209


■ 59.4326, 65.2355,
59.4470


■ 39.3970, 55.9594,
10.9530


■ 63.8327, 67.2092,
72.9621


 37.8250, 55.1825,
9.3672


 68.6667, 69.3652,
88.3707

 36.4963, 54.5131,
8.5985

 73.7215, 71.6183,
104.5459

 75.7991, 72.6893,
104.6431

 77.9542, 73.8003,
104.7440

 80.1876, 74.9517,
104.8485

Harmonies

Analogous

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



57.4905, 60.3430, 25.6304



48.6819, 60.3430, 29.5036



42.8083, 60.3430, 42.3213

Triad

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



48.6819, 60.3430, 29.5036



48.4707, 60.3430, 122.9388



77.9594, 60.3430, 66.0941

Complementary

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



48.6819, 60.3430, 29.5036



33.1855, 27.1650, 67.1160

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.



74.8702, 60.3430, 96.4173



48.6819, 60.3430, 29.5036



57.2181, 60.3430, 134.3719

Square

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



48.6819, 60.3430, 29.5036



42.6963, 60.3430, 95.5475



66.9997, 60.3430, 123.5320



75.0330, 60.3430, 42.8272

Rectangle

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



48.6819, 60.3430, 29.5036



40.9865, 60.3430, 56.5609



66.9997, 60.3430, 123.5320



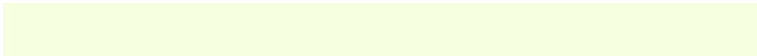
77.5854, 60.3430, 75.7813

Sweetspot

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



48.6834, 60.3457, 29.5049



87.1864, 96.4707, 84.8313



43.1526, 38.9018, 25.6573



18.4901, 20.5715, 17.6483



0.0000, 0.0000, 0.0000



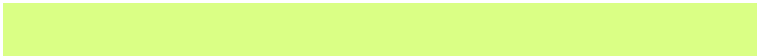
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.6834, 60.3457, 29.5049



68.8764, 88.1063, 35.4217



39.6571, 55.6925, 29.0825



13.0903, 14.3228, 13.2353



22.1684, 33.0046, 5.2021



1.4192, 2.0330, 0.3176

Inverse Universe

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



33.1855, 27.1650, 67.1160



42.8763, 32.3884, 98.5995



42.8325, 32.1382, 67.5675



12.0922, 12.1889, 15.6529



8.7351, 3.6556, 38.6984



0.6101, 0.2634, 2.3380

Previews

White Background



This preview shows how the XYZ color 48.6819, 60.3430, 29.5036 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 48.6819, 60.3430, 29.5036 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 48.6819, 60.3430, 29.5036

Background



This preview shows how black text looks on a background with the XYZ color 48.6819, 60.3430, 29.5036.



This preview shows how white text looks on a background with the XYZ color 48.6819, 60.3430,

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

48.6819, 60.3430, 29.5036

Protanopia

55.3552, 60.1706, 27.7653

Deuteranopia

61.3362, 60.1086, 30.1992



Tritanopia

57.9615, 60.1057, 75.5645

Trichromacy



Original Color

48.6819, 60.3430, 29.5036

Protanomaly

52.8359, 60.2941, 28.2552

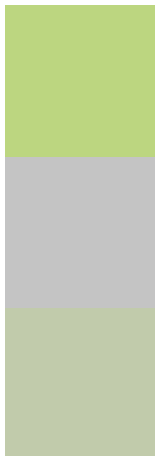
Deuteranomaly

55.9577, 59.7270, 30.0519

Tritanomaly

53.9407, 59.9066, 55.1745

Monochromacy



Original Color

48.6819, 60.3430, 29.5036

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.6989, 56.9896, 46.8561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6819, 60.3430, 29.5036 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(188, 214, 128)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 128)  
}
```

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(188, 214, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 128) }
```

Border

The CSS property to change the border of an element to XYZ 48.6819, 60.3430, 29.5036 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(188, 214, 128) }
```


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

```
.border{ border-color:rgb(188, 214, 128) }
```

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

Here you see how a box with a 4 pixel rgb(188, 214, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 128);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6819, 60.3430, 29.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 128) }
```

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

```
.background{ background-color: rgb(188,  
214, 128) }
```

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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