

Converting Colors

XYZ(48.6299, 66.8140, 18.3071)

Have a look what the booklet for
XYZ(48.6299, 66.8140, 18.3071)
contains.

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Color

**XYZ(48.6422, 66.9061,
18.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E652
RGB	180, 230, 82
RGB Percent	71%, 90%, 32%
CMY	0.2941, 0.0980, 0.6784
CMYK	0.22, 0.00, 0.64, 0.10
HSL	80°, 75%, 61%
HSV	80°, 64%, 90%
XYZ	48.6422, 66.9061, 18.3331
YIQ	198.1780, 17.7080, -56.6280

Conversions

Conversions Part 2

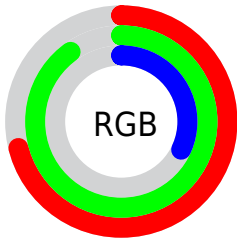
Format	Color
R_{YB}	82, 230, 132
Decimal	11855442
CIE _{Lab}	85.46, -37.37, 64.49
CIE _{LCh}	85, 74.533, 120.094
Yxy	66.9061, 0.3633, 0.4997
Android (android.graphics.Color)	4290045522 (0xFFB4E652)
YUV	198.1780, -57.2758, -15.9421
Hunter-Lab	81.7961, -36.9936, 43.9685

Details

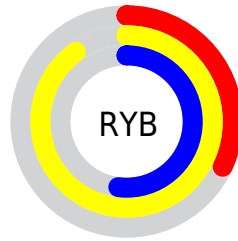
The XYZ color **48.6422, 66.9061, 18.3331** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **26.8186, 16.6551, 76.6680**, and the grayscale version is **54.1165, 56.9348, 62.0019**.

A 20% lighter version of the original color is **75.9440, 91.7057, 37.7430**, and **23.4056, 34.5235, 5.9604** is the 20% darker color. If you saturate the color by 10%, you get **46.1512, 65.7089, 14.3889**, and if you desaturate by 10%, it is **51.5310, 68.2789, 23.8292**.

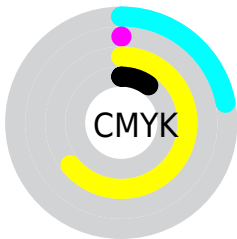
Distribution



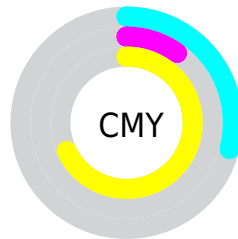
- Red (71%)
- Green (90%)
- Blue (32%)



- Red (32%)
- Yellow (90%)
- Blue (52%)



- Cyan (22%)
- Magenta (0%)
- Yellow (64%)
- Black (10%)



- Cyan (29%)
- Magenta (10%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6422, 66.9061, 18.3331 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 48.6422, 66.9061, 18.3331 by changing the saturation by 10% instead.

■ 48.6422, 66.9061,
18.3331

■ 48.6422, 66.9061,
18.3331

371.8724,
449.6105, 255.0408

■ 34.5491, 49.0083,
11.0175

■ 87.3637, 114.7859,
41.4257

■ 23.4806, 34.6261,
5.9643

■ 112.7229,
145.5366, 58.0397

■ 15.0714, 23.3750,
2.7549

■ 142.5681,
181.3405, 78.5904

■ 8.9562, 14.8706,
0.9709

■ 177.2647,
222.5819, 103.4961

■ 4.7695, 8.7286,
0.0000

217.1781,
269.6452, 133.1754

■ 2.1460, 4.5646,
0.0000

262.6736,

■ 0.7141, 1.9941,

322.9148, 168.0470

0.0000

314.1166,
382.7751, 208.5293

■ 0.0000, 0.6041,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6422, 66.9061,
18.3331

■ 48.6422, 66.9061,
18.3331

■ 46.1512, 65.7089,
14.3889

■ 51.5310, 68.2789,
23.8292

■ 44.0211, 64.6652,
11.8308


■ 54.8410, 69.8297,
31.0121


■ 42.2144, 63.7622,
10.4633


■ 58.5988, 71.5717,
40.0071


■ 41.3020, 63.3002,
10.0413


■ 62.8272, 73.5142,
50.9262

 67.5473, 75.6658,
63.8726

 72.7787, 78.0346,
78.9419

 78.5399, 80.6281,
96.2239

 83.0246, 82.7239,
106.1992

 85.7515, 84.1297,
106.3268

Harmonies

Analogous

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



63.5389, 66.9061, 13.7711



48.6422, 66.9061, 18.3331



39.3659, 66.9061, 35.5863

Triad

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



48.6422, 66.9061, 18.3331



48.7196, 66.9061, 187.0549



101.9635, 66.9061, 72.6965

Complementary

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



48.6422, 66.9061, 18.3331



26.8186, 16.6551, 76.6680

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.



96.1468, 66.9061, 129.8382



48.6422, 66.9061, 18.3331



63.6457, 66.9061, 211.2816

Square

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



48.6422, 66.9061, 18.3331



39.4047, 66.9061, 130.2280



81.3289, 66.9061, 186.7683



96.0764, 66.9061, 35.4223

Rectangle

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



48.6422, 66.9061, 18.3331



36.6388, 66.9061, 57.9754



81.3289, 66.9061, 186.7683



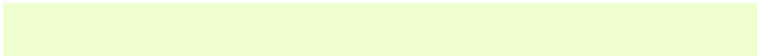
101.3009, 66.9061, 90.0718

Sweetspot

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



48.6438, 66.9091, 18.3345



82.4393, 94.2894, 72.5981



42.3198, 33.7567, 12.2688



17.2829, 20.0164, 14.5513



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.



48.6438, 66.9091, 18.3345



57.4420, 82.6073, 17.0075



35.8454, 60.3113, 17.7356



15.1038, 16.5606, 15.3049



23.5171, 35.9050, 5.6909



1.8359, 2.7038, 0.4251

Inverse Universe

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



26.8186, 16.6551, 76.6680



28.0522, 14.6714, 95.9611



42.5716, 24.7761, 77.4052



14.0395, 14.1226, 18.1303



9.9685, 4.2048, 42.6694



0.8329, 0.3603, 3.1576

Previews

White Background



This preview shows how the XYZ color 48.6422, 66.9061, 18.3331 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 48.6422, 66.9061, 18.3331 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 48.6422, 66.9061, 18.3331

Background



This preview shows how black text looks on a background with the XYZ color 48.6422, 66.9061, 18.3331.



This preview shows how white text looks on a background with the XYZ color 48.6422, 66.9061,

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

48.6422, 66.9061, 18.3331

Protanopia

60.3937, 66.3015, 16.6356

Deuteranopia

66.9021, 66.4549, 29.3796



Tritanopia

62.1546, 66.4328, 85.8909

Trichromacy



Original Color

48.6422, 66.9061, 18.3331

Protanomaly

55.3581, 65.9793, 17.2147

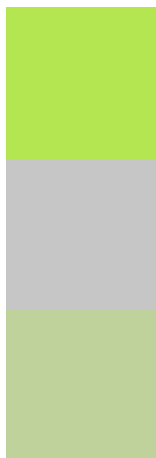
Deuteranomaly

58.9107, 65.7348, 24.6221

Tritanomaly

55.0149, 65.4371, 51.3260

Monochromacy



Original Color

48.6422, 66.9061, 18.3331

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.5332, 59.5699, 40.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6422, 66.9061, 18.3331 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(180, 230, 82)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 82)  
}
```

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(180, 230, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 82) }
```

Border

The CSS property to change the border of an element to XYZ 48.6422, 66.9061, 18.3331 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(180, 230, 82) }
```


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

```
.border{ border-color:rgb(180, 230, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 230, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 82);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6422, 66.9061, 18.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 82) }
```

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

```
.background{ background-color: rgb(180,  
230, 82) }
```

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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