

Converting Colors

XYZ(48.0814, 66.7360, 12.9319)

Have a look what the booklet for
XYZ(48.0814, 66.7360, 12.9319)
contains.

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Color

**XYZ(48.0814, 66.7360,
12.9319)**

Conversions

Conversions Part 1

Format	Color
Hex	B6E62E
RGB	182, 230, 46
RGB Percent	71%, 90%, 18%
CMY	0.2863, 0.0980, 0.8196
CMYK	0.21, 0.00, 0.80, 0.10
HSL	76°, 79%, 54%
HSV	76°, 80%, 90%
XYZ	48.0814, 66.7360, 12.9319
YIQ	194.6720, 30.4560, -67.4000

Conversions

Conversions Part 2

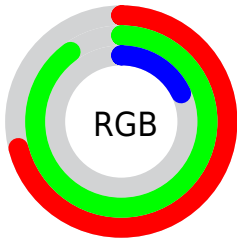
Format	Color
RYB	46, 230, 94
Decimal	11986478
CIELab	85.37, -38.54, 76.47
CIELCh	85, 85.632, 116.751
Yxy	66.7360, 0.3764, 0.5224
Android (android.graphics.Color)	4290176558 (0xFFB6E62E)
YUV	194.6720, -73.2953, -11.1133
Hunter-Lab	81.6921, -37.9017, 47.7988

Details

The XYZ color **48.0814, 66.7360, 12.9319** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **19.8786, 10.0486, 75.7587**, and the grayscale version is **52.0882, 54.8008, 59.6781**.

A 20% lighter version of the original color is **75.0847, 91.4800, 27.8874**, and **23.4482, 34.5572, 5.4344** is the 20% darker color. If you saturate the color by 10%, you get **46.3572, 65.8885, 11.0855**, and if you desaturate by 10%, it is **50.1120, 67.7179, 16.0614**.

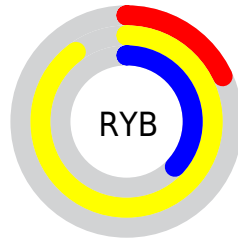
Distribution



Red (71%)

Green (90%)

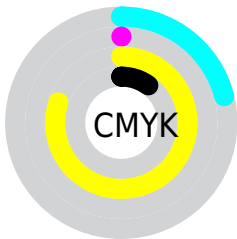
Blue (18%)



Red (18%)

Yellow (90%)

Blue (37%)

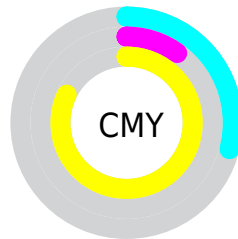


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (10%)



Cyan (29%)


Magenta (10%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0814, 66.7360, 12.9319 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 48.0814, 66.7360, 12.9319 by changing the saturation by 10% instead.


 48.0814, 66.7360,
12.9319


 48.0814, 66.7360,
12.9319


369.6919,
449.0045, 221.6732


 34.1029, 48.8701,
7.2515


 86.5345, 114.5420,
31.8708

 23.1359, 34.5165,
3.5391


 111.7399,
145.2510, 45.9663


 14.8151, 23.2906,
1.3760


 141.4182,
181.0097, 63.7040

 8.7752, 14.8083,
0.1229

 175.9348,
222.2027, 85.5024

 4.6508, 8.6849,
0.0000

 215.6552,
269.2143, 111.7799

 2.0765, 4.5362,
0.0000

260.9446,

 0.6764, 1.9778,

322.4288, 142.9552

0.0000

312.1684,
382.2308, 179.4468

0.0000, 0.5945,
0.0000

0.0000, 0.0000,
0.0000

48.0814, 66.7360,
12.9319

48.0814, 66.7360,
12.9319

46.3572, 65.8885,
11.0855

50.1120, 67.7179,
16.0614

44.8754, 65.1424,
10.2088

52.4790, 68.8390,
20.6487

44.8750, 65.1422,
10.2085

55.2135, 70.1144,
26.8461

58.3411, 71.5542,
34.7852

61.8850, 73.1679,
44.5845

65.8663, 74.9641,
56.3518

70.3047, 76.9505,
70.1868

75.2185, 79.1347,
86.1824

80.6249, 81.5236,
104.4258

Harmonies

Analogous

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



65.5676, 66.7360, 9.6865



48.0814, 66.7360, 12.9319



37.0746, 66.7360, 28.4273

Triad

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



48.0814, 66.7360, 12.9319



45.1019, 66.7360, 203.5831



108.4245, 66.7360, 78.8866

Complementary

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



48.0814, 66.7360, 12.9319



19.8786, 10.0486, 75.7587

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.



100.0100, 66.7360, 148.3621



48.0814, 66.7360, 12.9319



61.3405, 66.7360, 239.9647

Square

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



48.0814, 66.7360, 12.9319



35.6167, 66.7360, 132.1209



81.7413, 66.7360, 215.8509



102.9004, 66.7360, 34.4120

Rectangle

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



48.0814, 66.7360, 12.9319



33.6143, 66.7360, 50.8321



81.7413, 66.7360, 215.8509



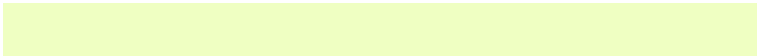
107.0966, 66.7360, 99.9932

Sweetspot

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



48.0829, 66.7390, 12.9333



81.0828, 93.7625, 64.7457



36.9560, 24.6768, 5.4009



16.9733, 19.8967, 12.7363



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.



48.0829, 66.7390, 12.9333



57.3345, 82.6356, 13.2213



33.2060, 59.0697, 12.2371



15.2154, 16.6181, 15.3101



25.5246, 36.9399, 5.7848



1.9719, 2.7739, 0.4315

Inverse Universe

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



19.8786, 10.0486, 75.7587



20.9901, 8.9000, 95.2193



35.0296, 17.8592, 76.4678



13.9337, 14.0680, 18.1253



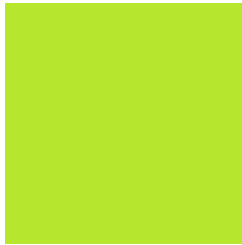
9.2388, 3.8287, 42.6352



0.7681, 0.3269, 3.1546

Previews

White Background



This preview shows how the XYZ color 48.0814, 66.7360, 12.9319 looks on a white background.

Color Contrast Check

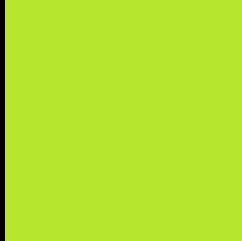
Large Text (above 18pt) WCAG AA × Fail

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 48.0814, 66.7360, 12.9319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

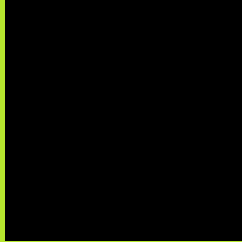
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0814, 66.7360, 12.9319

Background



This preview shows how black text looks on a background with the XYZ color 48.0814, 66.7360, 12.9319.



This preview shows how white text looks on a background with the XYZ color 48.0814, 66.7360,

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

48.0814, 66.7360, 12.9319

Protanopia

59.8088, 66.1064, 11.7980

Deuteranopia

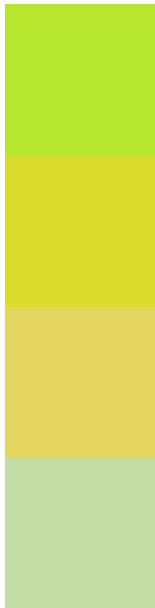
66.2841, 65.8262, 27.3013



Tritanopia

62.5578, 66.2802, 85.0975

Trichromacy



Original Color

48.0814, 66.7360, 12.9319

Protanomaly

54.6810, 65.7429, 12.0931

Deuteranomaly

57.8095, 64.8906, 20.0679

Tritanomaly

54.5422, 65.3361, 44.8584

Monochromacy



Original Color

48.0814, 66.7360, 12.9319

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

48.5988, 57.9820, 33.8295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0814, 66.7360, 12.9319 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(182, 230, 46)` looks like.

```
.text, #text, p{  
    color:rgb(182, 230, 46)  
}
```

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(182, 230, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 230, 46) }
```

Border

The CSS property to change the border of an element to XYZ 48.0814, 66.7360, 12.9319 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(182, 230, 46) }
```


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

```
.border{ border-color:rgb(182, 230, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 230, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 230, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 230, 46);  
box-shadow:4px 4px 4px 4px rgb(182, 230,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0814, 66.7360, 12.9319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 230, 46) }
```

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

```
.background{ background-color: rgb(182,  
230, 46) }
```

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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