

Converting Colors

XYZ(47.1089, 66.1894, 12.8737)

Have a look what the booklet for
XYZ(47.1089, 66.1894, 12.8737)
contains.

XYZ(47.1501, 66.2559, 12.8884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.1501, 66.2559,
12.8884)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E62E
RGB	178, 230, 46
RGB Percent	70%, 90%, 18%
CMY	0.3020, 0.0980, 0.8196
CMYK	0.23, 0.00, 0.80, 0.10
HSL	77°, 79%, 54%
HSV	77°, 80%, 90%
XYZ	47.1501, 66.2559, 12.8884
YIQ	193.4760, 28.0720, -68.2480

Conversions

Conversions Part 2

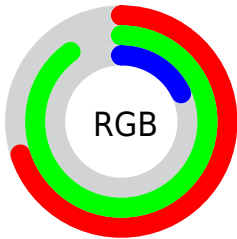
Format	Color
R _Y B	46, 230, 98
Decimal	11724334
CIE Lab	85.13, -40.08, 76.16
CIE LCh	85, 86.061, 117.759
Yxy	66.2559, 0.3733, 0.5246
Android (android.graphics.Color)	4289914414 (0xFFB2E62E)
YUV	193.4760, -72.7057, -13.5725
Hunter-Lab	81.3977, -39.0489, 47.5905

Details

The XYZ color **47.1501, 66.2559, 12.8884** 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 **20.2997, 10.2657, 75.7784**, and the grayscale version is **51.3746, 54.0501, 58.8606**.

A 20% lighter version of the original color is **73.3918, 90.6072, 27.8081**, and **22.8818, 34.2652, 5.4078** is the 20% darker color. If you saturate the color by 10%, you get **45.3564, 65.3725, 11.0387**, and if you desaturate by 10%, it is **49.2601, 67.2787, 16.0216**.

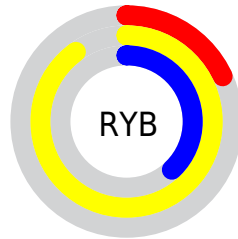
Distribution



Red (70%)

Green (90%)

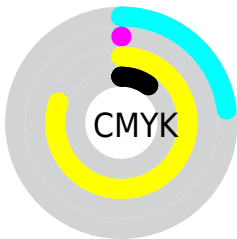
Blue (18%)



Red (18%)

Yellow (90%)

Blue (38%)

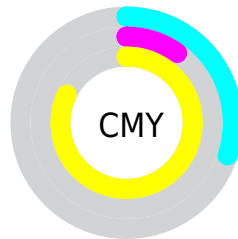


Cyan (23%)

Magenta (0%)

Yellow (80%)

Black (10%)



Cyan (30%)

Magenta (10%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1501, 66.2559, 12.8884 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 47.1501, 66.2559, 12.8884 by changing the saturation by 10% instead.

47.1501, 66.2559,
12.8884

47.1501, 66.2559,
12.8884

366.0523,
447.2915, 221.3838

33.3628, 48.4802,
7.2219

85.1550, 113.8535,
31.7914

22.5651, 34.2073,
3.5207

110.1033,
144.4442, 45.8650

14.3916, 23.0529,
1.3663

139.5026,
180.0754, 63.5780

8.4771, 14.6326,
0.1152

173.7184,
221.1313, 85.3490

4.4560, 8.5619,
0.0000

213.1158,
267.9966, 111.5966

1.9632, 4.4566,
0.0000

258.0604,

0.6132, 1.9321,

321.0554, 142.7392

0.0000

308.9174,
380.6922, 179.1955

0.0000, 0.5676,
0.0000

0.0000, 0.0000,
0.0000

47.1501, 66.2559,
12.8884

47.1501, 66.2559,
12.8884

45.3564, 65.3725,
11.0387

49.2601, 67.2787,
16.0216

43.8149, 64.5957,
10.1592

51.7168, 68.4461,
20.6132

43.8144, 64.5954,
10.1589

54.5512, 69.7729,
26.8153

57.7894, 71.2698,
34.7597

61.4546, 72.9461,
44.5647

65.5683, 74.8104,
56.3383

70.1501, 76.8708,
70.1800

75.2187, 79.1348,
86.1829

80.7914, 81.6094,
104.4342

Harmonies

Analogous

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



64.4442, 66.2559, 9.3897



47.1501, 66.2559, 12.8884



36.4004, 66.2559, 28.8412

Triad

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



47.1501, 66.2559, 12.8884



45.0975, 66.2559, 205.4667



108.0829, 66.2559, 76.4000

Complementary

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



47.1501, 66.2559, 12.8884



20.2997, 10.2657, 75.7784

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.



100.0851, 66.2559, 145.4551



47.1501, 66.2559, 12.8884



61.5268, 66.2559, 240.1886

Square

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



47.1501, 66.2559, 12.8884



35.3976, 66.2559, 134.2101



81.9935, 66.2559, 213.9751



102.0848, 66.2559, 32.9488

Rectangle

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



47.1501, 66.2559, 12.8884



33.1030, 66.2559, 51.7793



81.9935, 66.2559, 213.9751



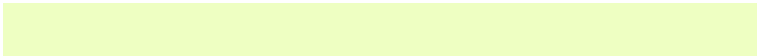
106.9124, 66.2559, 97.2444

Sweetspot

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



47.1516, 66.2589, 12.8898



80.6351, 93.5317, 64.7247



37.2271, 25.2191, 5.4914



16.8647, 19.8407, 12.7312



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.



47.1516, 66.2589, 12.8898



56.0190, 81.9575, 13.1598



32.9059, 58.9149, 12.2231



15.1838, 16.6018, 15.3087



24.9293, 36.6330, 5.7570



1.9320, 2.7533, 0.4296

Inverse Universe

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



20.2997, 10.2657, 75.7784



21.4178, 9.1205, 95.2393



35.7724, 18.2422, 76.5025



13.9634, 14.0834, 18.1267



9.4240, 3.9241, 42.6439



0.7851, 0.3357, 3.1554

Previews

White Background



This preview shows how the XYZ color 47.1501, 66.2559, 12.8884 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 47.1501, 66.2559, 12.8884 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 47.1501, 66.2559, 12.8884

Background



This preview shows how black text looks on a background with the XYZ color 47.1501, 66.2559, 12.8884.



This preview shows how white text looks on a background with the XYZ color 47.1501, 66.2559,

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

47.1501, 66.2559, 12.8884

Protanopia

59.2036, 65.4242, 11.6056

Deuteranopia

66.0438, 65.7301, 26.0359



Tritanopia

61.4963, 65.7330, 85.0478

Trichromacy



Original Color

47.1501, 66.2559, 12.8884

Protanomaly

54.0865, 65.4364, 12.0653

Deuteranomaly

57.3611, 64.6747, 19.3577

Tritanomaly

53.5292, 64.8139, 44.8110

Monochromacy



Original Color

47.1501, 66.2559, 12.8884

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

47.5440, 56.7274, 33.2546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1501, 66.2559, 12.8884 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(178, 230, 46)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 230, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 46) }
```

Border

The CSS property to change the border of an element to XYZ 47.1501, 66.2559, 12.8884 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(178, 230, 46) }
```


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

```
.border{ border-color:rgb(178, 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(178, 230, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 46);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1501, 66.2559, 12.8884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 46) }
```

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

```
.background{ background-color: rgb(178,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor