

Converting Colors

XYZ(42.9181, 57.8237, 8.8991)

Have a look what the booklet for
XYZ(42.9181, 57.8237, 8.8991)
contains.

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Color

**XYZ(42.8690, 57.7964,
8.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D600
RGB	180, 214, 0
RGB Percent	71%, 84%, 0%
CMY	0.2941, 0.1608, 0.9999
CMYK	0.16, 0.00, 1.00, 0.16
HSL	70°, 100%, 42%
HSV	70°, 100%, 84%
XYZ	42.8690, 57.7964, 8.8964
YIQ	179.4380, 48.4300, -73.7620

Conversions

Conversions Part 2

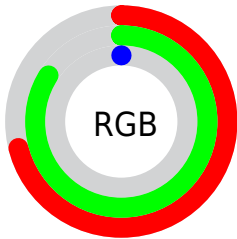
Format	Color
RYB	0, 214, 34
Decimal	11851264
CIELab	80.63, -33.04, 79.81
CIElCh	81, 86.380, 112.490
Yxy	57.7964, 0.3913, 0.5275
Android (android.graphics.Color)	4290041344 (0xFFB4D600)
YUV	179.4380, -88.4629, 0.4929
Hunter-Lab	76.0239, -32.3879, 46.2786

Details

The XYZ color **42.8690, 57.7964, 8.8964** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **12.7993, 5.1965, 63.9502**, and the grayscale version is **43.5247, 45.7914, 49.8668**.

A 20% lighter version of the original color is **73.3749, 90.7172, 22.4470**, and **20.4242, 28.9338, 4.5083** is the 20% darker color. If you saturate the color by 10%, you get **42.8692, 57.7984, 8.8968**, and if you desaturate by 10%, it is **43.8111, 58.2679, 9.6682**.

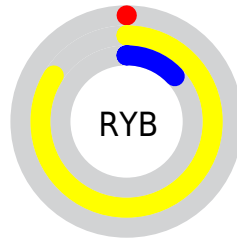
Distribution



Red (71%)

Green (84%)

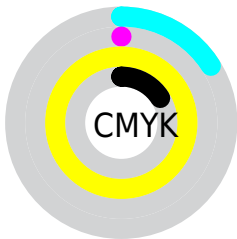
Blue (0%)



Red (0%)

Yellow (84%)

Blue (13%)

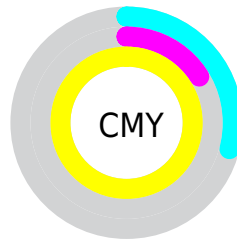


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (29%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8690, 57.7964, 8.8964 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 42.8690, 57.7964, 8.8964 by changing the saturation by 10% instead.


 42.8690, 57.7964,
8.8964


 42.8690, 57.7964,
8.8964


349.0034,
416.4268, 192.7927

 29.9764, 41.6450,
4.5778


 78.7701, 101.6263,
24.2724


 19.9687, 28.8234,
1.9474


 102.5093,
130.0736, 36.1669


 12.4804, 18.9473,
0.5226


 130.5948,
163.3883, 51.4238

 7.1463, 11.6322,
0.0000

 163.3919,
201.9548, 70.4616

 3.6009, 6.4937,
0.0000

 201.2659,
246.1575, 93.6988

 1.4789, 3.1476,
0.0000

 244.5823,

 0.3114, 1.2093,

296.3808, 121.5541

0.0000

293.7063,
353.0092, 154.4458

■ 0.0000, 0.0692,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8690, 57.7964,
8.8964

■ 42.8690, 57.7964,
8.8964

■ 42.8692, 57.7984,
8.8968

■ 43.8111, 58.2679,
9.6682

■ 44.9258, 58.8087,
11.2524

■ 46.2656, 59.4417,
13.9197

■ 47.8592, 60.1786,
17.8192

■ 49.7304, 61.0288,
23.0769

■ 51.9004, 62.0009,
29.8029

■ 54.3881, 63.1023,
38.0963

■ 57.2108, 64.3401,
48.0474

■ 60.3844, 65.7207,
59.7399

Harmonies

Analogous

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



59.5231, 57.7964, 7.2216



42.8690, 57.7964, 8.8964



32.0367, 57.7964, 20.1640

Triad

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



42.8690, 57.7964, 8.8964



36.6394, 57.7964, 176.8958



96.2656, 57.7964, 76.6105

Complementary

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



42.8690, 57.7964, 8.8964



12.7993, 5.1965, 63.9502

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.



86.7520, 57.7964, 143.3321



42.8690, 57.7964, 8.8964



50.5866, 57.7964, 218.4149

Square

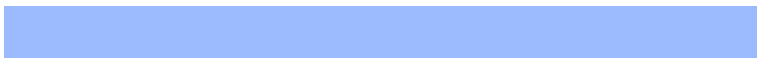
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.8690, 57.7964, 8.8964



29.0186, 57.7964, 108.2928



69.0730, 57.7964, 203.6206



92.9520, 57.7964, 32.4215

Rectangle

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



42.8690, 57.7964, 8.8964



28.3599, 57.7964, 37.8345



69.0730, 57.7964, 203.6206



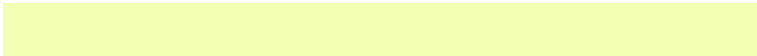
94.4019, 57.7964, 97.2152

Sweetspot

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



42.8703, 57.7990, 8.8976



80.7540, 93.7812, 56.2286



28.2530, 15.3367, 1.4720



16.9362, 19.9191, 10.8552



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.



42.8703, 57.7990, 8.8976



63.6305, 85.8878, 13.2243



26.9434, 49.5884, 8.1522



13.2700, 14.4154, 13.2438



25.9836, 34.9714, 5.3807



1.6204, 2.1367, 0.3270

Inverse Universe

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



12.7993, 5.1965, 63.9502



18.9456, 7.6817, 95.0919



22.8049, 10.3546, 64.4184



11.9246, 12.1025, 15.6450



7.7924, 3.1696, 38.6543



0.5287, 0.2215, 2.3342

Previews

White Background



This preview shows how the XYZ color 42.8690, 57.7964, 8.8964 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 42.8690, 57.7964, 8.8964 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 42.8690, 57.7964, 8.8964

Background



This preview shows how black text looks on a background with the XYZ color 42.8690, 57.7964, 8.8964.



This preview shows how white text looks on a background with the XYZ color 42.8690, 57.7964,

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

42.8690, 57.7964, 8.8964

Protanopia

51.7056, 57.3161, 8.3379

Deuteranopia

58.6764, 57.2242, 9.7031



Tritanopia

55.7151, 57.6235, 72.4759

Trichromacy



Original Color

42.8690, 57.7964, 8.8964

Protanomaly

48.1258, 57.2180, 8.5077

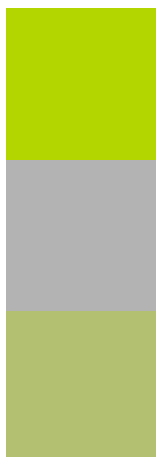
Deuteranomaly

51.7230, 56.6229, 9.0674

Tritanomaly

47.5941, 56.0682, 31.9807

Monochromacy



Original Color

42.8690, 57.7964, 8.8964

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.4773, 48.4979, 23.1472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8690, 57.7964, 8.8964 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, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 214, 0)  
}
```

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, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.8690, 57.7964, 8.8964 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, 214, 0) }
```


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

```
.border{ border-color:rgb(180, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 214,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8690, 57.7964, 8.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 214, 0) }
```

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

```
.background{ background-color: rgb(180,  
214, 0) }
```

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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