

Converting Colors

XYZ(17.3872, 29.2481, 4.0244)

Have a look what the booklet for
XYZ(17.3872, 29.2481, 4.0244)
contains.

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Color

**XYZ(17.4740, 29.2509,
4.7250)**

Conversions

Conversions Part 1

Format	Color
Hex	56A600
RGB	86, 166, 0
RGB Percent	34%, 65%, 0%
CMY	0.6627, 0.3490, 0.9999
CMYK	0.48, 0.00, 1.00, 0.35
HSL	89°, 100%, 33%
HSV	89°, 100%, 65%
XYZ	17.4740, 29.2509, 4.7250
YIQ	123.1560, 5.6060, -68.5860

Conversions

Conversions Part 2

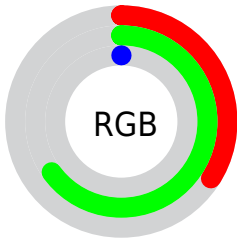
Format	Color
RYB	0, 166, 80
Decimal	5678592
CIELab	61.00, -47.60, 62.48
CIELCh	61, 78.547, 127.301
Yxy	29.2509, 0.3396, 0.5685
Android (android.graphics.Color)	4283868672 (0xFF56A600)
YUV	123.1560, -60.7159, -32.5858
Hunter-Lab	54.0841, -36.9757, 32.6791

Details

The XYZ color **17.4740, 29.2509, 4.7250** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.1932, 4.4599, 36.4017**, and the grayscale version is **19.0726, 20.0659, 21.8518**.

A 20% lighter version of the original color is **38.6850, 58.5766, 15.7461**, and **6.1737, 11.9487, 1.9809** is the 20% darker color. If you saturate the color by 10%, you get **17.4739, 29.2518, 4.7252**, and if you desaturate by 10%, it is **18.3512, 29.6927, 5.2787**.

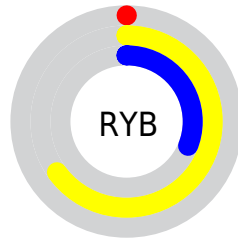
Distribution



Red (34%)

Green (65%)

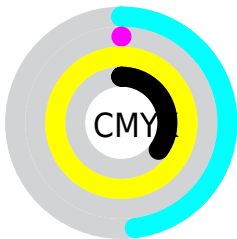
Blue (0%)



Red (0%)

Yellow (65%)

Blue (31%)

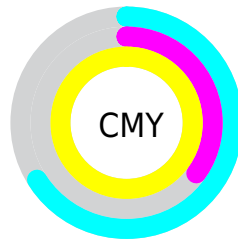


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (66%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4740, 29.2509, 4.7250 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 17.4740, 29.2509, 4.7250 by changing the saturation by 10% instead.


 17.4740, 29.2509,
4.7250


 17.4740, 29.2509,
4.7250


230.9927,
298.3969, 155.9718


 10.6704, 19.2707,
2.0309


 38.6761, 58.4755,
15.6500


 5.9113, 11.8660,
0.5742


 53.8054, 78.4887,
24.7181

 2.8314, 6.6525,
0.0000


 72.4405, 102.6149,
36.7479

 1.0652, 3.2458,
0.0000

 94.9470, 131.2387,
52.1579

 0.0000, 1.2613,
0.0000

 121.6900,
164.7444, 71.3668


 0.0000, 0.1110,
0.0000


 153.0351,


 0.0000, 0.0000,


203.5165, 94.7931


0.0000


 189.3475,
247.9392, 122.8552


 17.4740, 29.2509,
4.7250


 17.4740, 29.2509,
4.7250


 17.4739, 29.2518,
4.7252

 18.3512, 29.6927,
5.2787

 19.3941, 30.2096,
6.2636

 20.6394, 30.8176,
7.8574

 22.1043, 31.5238,
10.1385

 23.8038, 32.3345,
13.1735

■ 25.7511, 33.2552,
17.0212

■ 27.9585, 34.2911,
21.7346

■ 30.4371, 35.4469,
27.3619

■ 33.1975, 36.7271,
33.9483

Harmonies

Analogous

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



25.3683, 29.2509, 2.2463



17.4740, 29.2509, 4.7250



13.2788, 29.2509, 14.6366

Triad

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



17.4740, 29.2509, 4.7250



20.8597, 29.2509, 117.6429



52.3357, 29.2509, 25.1918

Complementary

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



17.4740, 29.2509, 4.7250



10.1932, 4.4599, 36.4017

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.



50.2765, 29.2509, 59.0222



17.4740, 29.2509, 4.7250



30.3868, 29.2509, 127.2608

Square

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



17.4740, 29.2509, 4.7250



14.8713, 29.2509, 79.8563



41.5611, 29.2509, 101.2980



46.6443, 29.2509, 8.4067

Rectangle

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



17.4740, 29.2509, 4.7250



12.3792, 29.2509, 29.2610



41.5611, 29.2509, 101.2980



52.5466, 29.2509, 34.5858

Sweetspot

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



17.4747, 29.2522, 4.7256



50.4999, 62.1202, 38.9166



18.4140, 13.4820, 1.6322



10.9267, 13.7260, 7.8970



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.4747, 29.2522, 4.7256



31.4663, 52.9601, 8.5639



13.7064, 27.3095, 4.5493



7.7935, 8.5917, 8.0369



13.6038, 22.7103, 3.6665



0.3896, 0.5828, 0.0920

Inverse Universe

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



10.1932, 4.4599, 36.4017



18.2555, 7.9680, 66.0511



21.4749, 10.2758, 36.9296



7.4630, 7.4713, 9.4671



7.9569, 3.4853, 28.2289



0.2529, 0.1154, 0.6896

Previews

White Background



This preview shows how the XYZ color 17.4740, 29.2509, 4.7250 looks on a white background.

Color Contrast Check

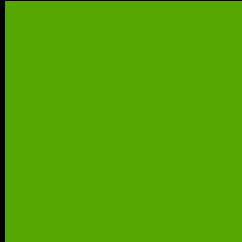
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4740, 29.2509, 4.7250 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 × Fail

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

XYZ 17.4740, 29.2509, 4.7250

Background



This preview shows how black text looks on a background with the XYZ color 17.4740, 29.2509, 4.7250.



This preview shows how white text looks on a background with the XYZ color 17.4740, 29.2509,

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

17.4740, 29.2509, 4.7250

Protanopia

25.9508, 28.8668, 4.2041

Deuteranopia

29.2885, 28.7711, 5.5231



Tritanopia

24.5941, 29.0270, 40.8657

Trichromacy



Original Color

17.4740, 29.2509, 4.7250

Protanomaly

21.7089, 28.3454, 4.3270

Deuteranomaly

23.1050, 27.8487, 4.9166

Tritanomaly

19.9740, 28.1470, 18.0158

Monochromacy



Original Color

17.4740, 29.2509, 4.7250

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.0382, 22.3303, 10.6199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4740, 29.2509, 4.7250 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(86, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 166, 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(86, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4740, 29.2509, 4.7250 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(86, 166, 0) }
```


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

```
.border{ border-color:rgb(86, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(86, 166, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4740, 29.2509, 4.7250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 166, 0) }
```

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

```
.background{ background-color: rgb(86, 166,  
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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