

Converting Colors

XYZ(17.1454, 30.4151, 4.9670)

Have a look what the booklet for
XYZ(17.1454, 30.4151, 4.9670)
contains.

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Color

**XYZ(17.1614, 30.4654,
4.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	47AB00
RGB	71, 171, 0
RGB Percent	28%, 67%, 0%
CMY	0.7216, 0.3294, 0.9999
CMYK	0.58, 0.00, 1.00, 0.33
HSL	95°, 100%, 34%
HSV	95°, 100%, 67%
XYZ	17.1614, 30.4654, 4.9759
YIQ	121.6060, -4.7090, -74.3810

Conversions

Conversions Part 2

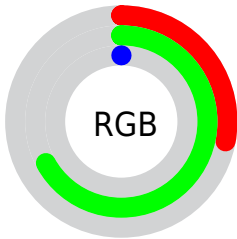
Format	Color
RYB	0, 171, 100
Decimal	4696832
CIELab	62.05, -53.84, 63.07
CIElCh	62, 82.924, 130.484
Yxy	30.4654, 0.3262, 0.5792
Android (android.graphics.Color)	4282886912 (0xFF47AB00)
YUV	121.6060, -59.9518, -44.3815
Hunter-Lab	55.1955, -41.0928, 33.2918

Details

The XYZ color **17.1614, 30.4654, 4.9759** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.6089, 5.6512, 38.9560**, and the grayscale version is **18.5616, 19.5283, 21.2663**.

A 20% lighter version of the original color is **38.0652, 60.2579, 16.1033**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **17.1613, 30.4663, 4.9761**, and if you desaturate by 10%, it is **18.0590, 30.9173, 5.5509**.

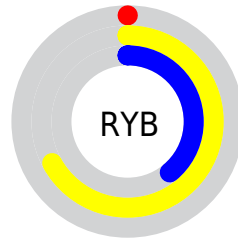
Distribution



Red (28%)

Green (67%)

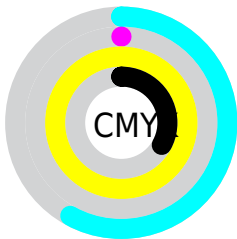
Blue (0%)



Red (0%)

Yellow (67%)

Blue (39%)

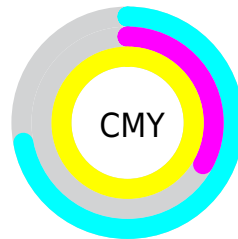


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (72%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1614, 30.4654, 4.9759 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 17.1614, 30.4654, 4.9759 by changing the saturation by 10% instead.

■ 17.1614, 30.4654,
4.9759

■ 17.1614, 30.4654,
4.9759

229.2389,
304.0678, 158.5230

■ 10.4456, 20.1921,
2.1746

■ 38.1445, 60.3974,
16.2044

■ 5.7599, 12.5348,
0.6597

■ 53.1425, 80.8249,
25.4686

■ 2.7389, 7.1090,
0.0000

■ 71.6320, 105.4059,
37.7243

■ 1.0173, 3.5303,
0.0000

■ 93.9783, 134.5249,
53.3900

■ 0.0000, 1.4145,
0.0000

■ 120.5468,
168.5662, 72.8842


■ 0.0000, 0.2274,
0.0000


■ 151.7028,


■ 0.0000, 0.0000,


207.9141, 96.6254


0.0000


 187.8118,
252.9532, 125.0321


 17.1614, 30.4654,
4.9759


 17.1614, 30.4654,
4.9759


 17.1613, 30.4663,
4.9761

 18.0590, 30.9173,
5.5509

 19.1700, 31.4681,
6.5934

 20.5353, 32.1358,
8.2892

 22.1758, 32.9294,
10.7230

 24.1099, 33.8566,
13.9667

■ 26.3538, 34.9246,
18.0837

■ 28.9226, 36.1398,
23.1310

■ 31.8302, 37.5083,
29.1608

■ 35.0897, 39.0357,
36.2216

Harmonies

Analogous

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



25.2326, 30.4654, 2.0304



17.1614, 30.4654, 4.9759



13.1007, 30.4654, 16.6139

Triad

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



17.1614, 30.4654, 4.9759



22.3764, 30.4654, 131.0345



55.5249, 30.4654, 23.2183

Complementary

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



17.1614, 30.4654, 4.9759



12.6089, 5.6512, 38.9560

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.



54.1888, 30.4654, 58.1632



17.1614, 30.4654, 4.9759



33.0297, 30.4654, 137.3798

Square

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



17.1614, 30.4654, 4.9759



15.5335, 30.4654, 91.0326



45.2003, 30.4654, 105.0837



48.4852, 30.4654, 7.1633

Rectangle

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



17.1614, 30.4654, 4.9759



12.3895, 30.4654, 33.6921



45.2003, 30.4654, 105.0837



56.0772, 30.4654, 32.6565

Sweetspot

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



17.1621, 30.4667, 4.9766



51.5331, 64.5974, 40.8929



21.3295, 17.7264, 2.2978



11.0590, 14.2008, 8.2563



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.1621, 30.4667, 4.9766



30.5049, 54.4433, 8.9008



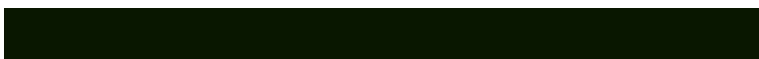
14.6448, 29.1596, 5.2815



8.2077, 9.0957, 8.5364



12.9937, 22.9956, 3.7538



0.4247, 0.6723, 0.1074

Inverse Universe

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



12.6089, 5.6512, 38.9560



22.3326, 9.9921, 69.7535



22.8603, 11.0846, 32.7231



8.0108, 7.9799, 10.0707



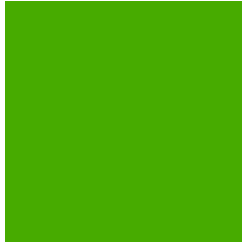
9.5651, 4.2909, 29.3686



0.3264, 0.1505, 0.8198

Previews

White Background



This preview shows how the XYZ color 17.1614, 30.4654, 4.9759 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 17.1614, 30.4654, 4.9759 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

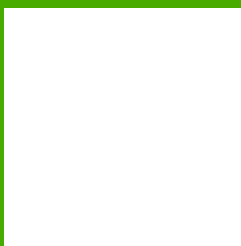
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.1614, 30.4654, 4.9759

Background



This preview shows how black text looks on a background with the XYZ color 17.1614, 30.4654, 4.9759.



This preview shows how white text looks on a background with the XYZ color 17.1614, 30.4654,

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

17.1614, 30.4654, 4.9759

Protanopia

26.8959, 29.8197, 4.3382

Deuteranopia

30.3368, 29.7419, 5.8109



Tritanopia

24.8815, 30.3715, 43.5806

Trichromacy



Original Color

17.1614, 30.4654, 4.9759

Protanomaly

21.7298, 29.1005, 4.4717

Deuteranomaly

23.0599, 28.5381, 5.1036

Tritanomaly

19.8820, 29.3732, 19.0897

Monochromacy



Original Color

17.1614, 30.4654, 4.9759

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.3467, 22.1898, 10.6292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1614, 30.4654, 4.9759 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(71, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 171, 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(71, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1614, 30.4654, 4.9759 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(71, 171, 0) }
```


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

```
.border{ border-color:rgb(71, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(71, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 171, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1614, 30.4654, 4.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 171, 0) }
```

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

```
.background{ background-color: rgb(71, 171,  
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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