

Converting Colors

XYZ(16.9810, 28.7300, 4.6509)

Have a look what the booklet for
XYZ(16.9810, 28.7300, 4.6509)
contains.

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Color

**XYZ(17.0224, 28.7493,
4.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	53A500
RGB	83, 165, 0
RGB Percent	33%, 65%, 0%
CMY	0.6745, 0.3529, 0.9999
CMYK	0.50, 0.00, 1.00, 0.35
HSL	90°, 100%, 32%
HSV	90°, 100%, 65%
XYZ	17.0224, 28.7493, 4.6520
YIQ	121.6720, 4.0930, -68.6990

Conversions

Conversions Part 2

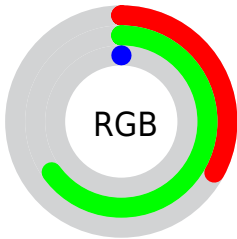
Format	Color
RYB	0, 165, 82
Decimal	5481728
CIELab	60.56, -48.16, 62.08
CIELCh	61, 78.573, 127.804
Yxy	28.7493, 0.3376, 0.5702
Android (android.graphics.Color)	4283671808 (0xFF53A500)
YUV	121.6720, -59.9843, -33.9153
Hunter-Lab	53.6184, -37.1632, 32.3888

Details

The XYZ color **17.0224, 28.7493, 4.6520** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.2734, 4.5118, 35.9284**, and the grayscale version is **18.5813, 19.5489, 21.2888**.

A 20% lighter version of the original color is **38.0436, 57.8567, 15.4657**, and **5.9458, 11.6665, 1.9385** is the 20% darker color. If you saturate the color by 10%, you get **17.0223, 28.7502, 4.6522**, and if you desaturate by 10%, it is **17.8874, 29.1849, 5.2011**.

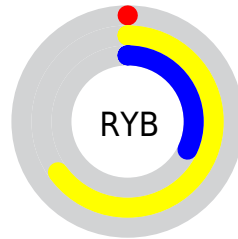
Distribution



Red (33%)

Green (65%)

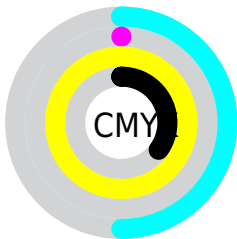
Blue (0%)



Red (0%)

Yellow (65%)

Blue (32%)

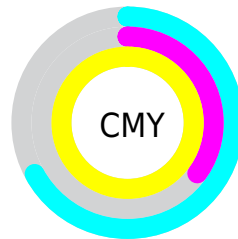


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (67%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0224, 28.7493, 4.6520 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 17.0224, 28.7493, 4.6520 by changing the saturation by 10% instead.

■ 17.0224, 28.7493,
4.6520

■ 17.0224, 28.7493,
4.6520

228.4552,
296.0302, 155.2179

■ 10.3459, 18.8913,
1.9894

■ 37.9076, 57.6785,
15.4876

■ 5.6929, 11.5917,
0.5488

■ 52.8469, 77.5185,
24.4976

■ 2.6981, 6.4663,
0.0000

■ 71.2713, 101.4546,
36.4606

■ 0.9962, 3.1307,
0.0000

■ 93.5459, 129.8712,
51.7950

■ 0.0000, 1.2003,
0.0000

■ 120.0363,
163.1526, 70.9194


■ 0.0000, 0.0620,
0.0000


■ 151.1077,


■ 0.0000, 0.0000,


201.6833, 94.2523


0.0000


 187.1256,
245.8478, 122.2123


 17.0224, 28.7493,
4.6520


 17.0224, 28.7493,
4.6520


 17.0223, 28.7502,
4.6522

 17.8874, 29.1849,
5.2011

 18.9201, 29.6968,
6.1749

 20.1572, 30.3010,
7.7494

 21.6160, 31.0047,
10.0020

 23.3114, 31.8141,
12.9982

■ 25.2567, 32.7349,
16.7960

■ 27.4642, 33.7722,
21.4474

■ 29.9450, 34.9308,
27.0002

■ 32.7097, 36.2151,
33.4987

Harmonies

Analogous

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



24.7598, 28.7493, 2.1616



17.0224, 28.7493, 4.6520



12.9445, 28.7493, 14.5783

Triad

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



17.0224, 28.7493, 4.6520



20.5951, 28.7493, 116.8265



51.5835, 28.7493, 24.3098

Complementary

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



17.0224, 28.7493, 4.6520



10.2734, 4.5118, 35.9284

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.



49.6744, 28.7493, 57.5253



17.0224, 28.7493, 4.6520



30.0623, 28.7493, 125.7663

Square

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



17.0224, 28.7493, 4.6520



14.6228, 28.7493, 79.5899



41.1205, 28.7493, 99.4990



45.8304, 28.7493, 8.0202

Rectangle

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



17.0224, 28.7493, 4.6520



12.0937, 28.7493, 29.2096



41.1205, 28.7493, 99.4990



51.8381, 28.7493, 33.4943

Sweetspot

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



17.0231, 28.7505, 4.6526



48.9505, 60.3714, 37.9017



18.3689, 13.7019, 1.6770



10.3467, 13.0319, 7.5264



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.0231, 28.7505, 4.6526



30.2495, 51.3661, 8.3203



13.4905, 26.9294, 4.4873



7.3091, 8.0618, 7.5509



12.9347, 21.7786, 3.5220



0.3263, 0.4857, 0.0766

Inverse Universe

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



10.2734, 4.5118, 35.9284



18.1623, 7.9579, 64.3311



21.7439, 10.4250, 36.4652



7.0201, 7.0247, 8.8890



7.8285, 3.4422, 27.1816



0.2190, 0.1004, 0.5737

Previews

White Background



This preview shows how the XYZ color 17.0224, 28.7493, 4.6520 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 17.0224, 28.7493, 4.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

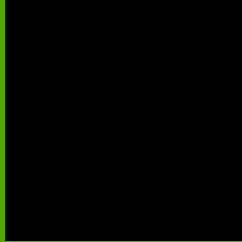
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.0224, 28.7493, 4.6520

Background



This preview shows how black text looks on a background with the XYZ color 17.0224, 28.7493, 4.6520.



This preview shows how white text looks on a background with the XYZ color 17.0224, 28.7493,

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

17.0224, 28.7493, 4.6520

Protanopia

25.5887, 28.4503, 4.1428

Deuteranopia

28.9057, 28.3597, 5.4639



Tritanopia

24.0999, 28.5389, 40.3148

Trichromacy



Original Color

17.0224, 28.7493, 4.6520

Protanomaly

21.3829, 27.9334, 4.2647

Deuteranomaly

22.7673, 27.4408, 4.8557

Tritanomaly

19.5883, 27.6959, 17.9491

Monochromacy



Original Color

17.0224, 28.7493, 4.6520

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.6480, 21.9152, 10.5603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0224, 28.7493, 4.6520 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(83, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 165, 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(83, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.0224, 28.7493, 4.6520 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(83, 165, 0) }
```


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

```
.border{ border-color:rgb(83, 165, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 165, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0224, 28.7493, 4.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 165, 0) }
```

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

```
.background{ background-color: rgb(83, 165,  
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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