

Converting Colors

XYZ(16.1768, 27.8347, 4.5200)

Have a look what the booklet for
XYZ(16.1768, 27.8347, 4.5200)
contains.

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Color

**XYZ(16.1578, 27.7722,
4.5090)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA300
RGB	77, 163, 0
RGB Percent	30%, 64%, 0%
CMY	0.6980, 0.3608, 0.9999
CMYK	0.53, 0.00, 1.00, 0.36
HSL	92°, 100%, 32%
HSV	92°, 100%, 64%
XYZ	16.1578, 27.7722, 4.5090
YIQ	118.7040, 1.0670, -68.9250

Conversions

Conversions Part 2

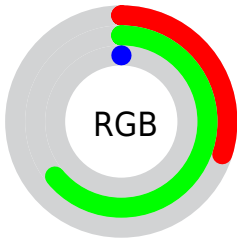
Format	Color
RYB	0, 163, 86
Decimal	5088000
CIELab	59.68, -49.24, 61.29
CIELCh	60, 78.619, 128.774
Yxy	27.7722, 0.3336, 0.5733
Android (android.graphics.Color)	4283278080 (0xFF4DA300)
YUV	118.7040, -58.5211, -36.5744
Hunter-Lab	52.6993, -37.4951, 31.8166

Details

The XYZ color **16.1578, 27.7722, 4.5090** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.4508, 4.6241, 34.9936**, and the grayscale version is **17.6211, 18.5387, 20.1887**.

A 20% lighter version of the original color is **36.5258, 56.2950, 15.2442**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **16.1577, 27.7730, 4.5091**, and if you desaturate by 10%, it is **16.9948, 28.1935, 5.0489**.

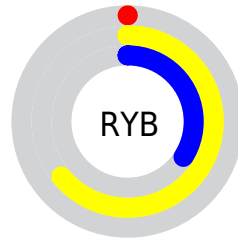
Distribution



Red (30%)

Green (64%)

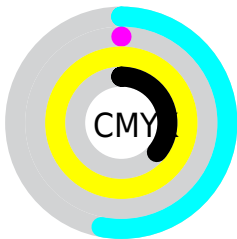
Blue (0%)



Red (0%)

Yellow (64%)

Blue (34%)

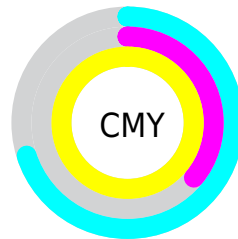


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (70%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1578, 27.7722, 4.5090 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 16.1578, 27.7722, 4.5090 by changing the saturation by 10% instead.


 16.1578, 27.7722,
4.5090


 16.1578, 27.7722,
4.5090


223.5232,
291.3768, 153.7252


 9.7274, 18.1540,
1.9085


 36.4272, 56.1205,
15.1676


 5.2795, 11.0606,
0.4982


 50.9969, 75.6195,
24.0629


 2.4486, 6.1076,
0.0000

 69.0105, 99.1808,
35.8934

 0.8694, 2.9106,
0.0000

 90.8332, 127.1889,
51.0779


 0.0000, 1.0853,
0.0000


 116.8305,
160.0281, 70.0347


 0.0000, 0.0000,
0.0000


 147.3677,


198.0829, 93.1826


 182.8101,
241.7377, 120.9399


 16.1578, 27.7722,
4.5090

 16.1578, 27.7722,
4.5090


 16.1577, 27.7730,
4.5091

 16.9948, 28.1935,
5.0489

 18.0038, 28.6936,
6.0004

 19.2214, 29.2886,
7.5367

 20.6648, 29.9856,
9.7327

 22.3490, 30.7909,
12.6520

■ 24.2875, 31.7104,
16.3508

■ 26.4924, 32.7491,
20.8797

■ 28.9754, 33.9121,
26.2851

■ 31.7469, 35.2037,
32.6099

Harmonies

Analogous

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



23.5911, 27.7722, 2.0021



16.1578, 27.7722, 4.5090



12.3038, 27.7722, 14.4534

Triad

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



16.1578, 27.7722, 4.5090



20.0725, 27.7722, 115.1608



50.1073, 27.7722, 22.6444

Complementary

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



16.1578, 27.7722, 4.5090



10.4508, 4.6241, 34.9936

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.



48.4827, 27.7722, 54.6579



16.1578, 27.7722, 4.5090



29.4162, 27.7722, 122.8065

Square

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



16.1578, 27.7722, 4.5090



14.1382, 27.7722, 79.0087



40.2433, 27.7722, 96.0011



44.2462, 27.7722, 7.3007

Rectangle

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



16.1578, 27.7722, 4.5090



11.5443, 27.7722, 29.0851



40.2433, 27.7722, 96.0011



50.4437, 27.7722, 31.4235

Sweetspot

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



16.1584, 27.7734, 4.5096



47.2072, 58.5374, 36.8921



18.2929, 14.1627, 1.7700



10.2359, 12.9748, 7.5212



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.



16.1584, 27.7734, 4.5096



28.7082, 49.6197, 8.0645



13.1130, 26.2017, 4.4448



7.2888, 8.0514, 7.5500



12.6087, 21.6105, 3.5067



0.3194, 0.4822, 0.0762

Inverse Universe

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



10.4508, 4.6241, 34.9936



18.4811, 8.1597, 62.6570



21.4754, 10.3353, 34.2525



7.0405, 7.0352, 8.8899



8.1740, 3.6203, 27.1978



0.2259, 0.1040, 0.5740

Previews

White Background



This preview shows how the XYZ color 16.1578, 27.7722, 4.5090 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 16.1578, 27.7722, 4.5090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

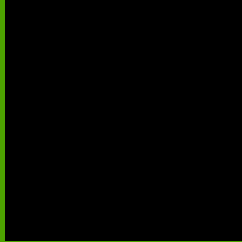
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1578, 27.7722, 4.5090

Background



This preview shows how black text looks on a background with the XYZ color 16.1578, 27.7722, 4.5090.



This preview shows how white text looks on a background with the XYZ color 16.1578, 27.7722,

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

16.1578, 27.7722, 4.5090

Protanopia

24.5204, 27.2220, 3.9620

Deuteranopia

27.9153, 27.4271, 5.3360



Tritanopia

23.1846, 27.8461, 39.2748

Trichromacy



Original Color

16.1578, 27.7722, 4.5090

Protanomaly

20.1123, 26.5585, 4.0663

Deuteranomaly

21.7514, 26.4553, 4.7190

Tritanomaly

18.8008, 27.0517, 17.3273

Monochromacy



Original Color

16.1578, 27.7722, 4.5090

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

15.6774, 20.7928, 10.0246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1578, 27.7722, 4.5090 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(77, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 163, 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(77, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 163, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.1578, 27.7722, 4.5090 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(77, 163, 0) }
```


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

```
.border{ border-color:rgb(77, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 163, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1578, 27.7722, 4.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 163, 0) }
```

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

```
.background{ background-color: rgb(77, 163,  
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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