

Converting Colors

XYZ(15.7760, 29.2824, 15.3752)

Have a look what the booklet for
XYZ(15.7760, 29.2824, 15.3752)
contains.

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Color

**XYZ(16.3951, 29.5576,
15.4308)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA5E
RGB	0, 170, 94
RGB Percent	0%, 67%, 37%
CMY	1.0000, 0.3333, 0.6314
CMYK	1.00, 0.00, 0.45, 0.33
HSL	153°, 100%, 33%
HSV	153°, 100%, 67%
XYZ	16.3951, 29.5576, 15.4308
YIQ	110.5060, -76.9240, -59.6760

Conversions

Conversions Part 2

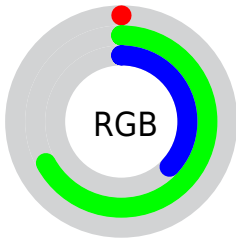
Format	Color
RYB	0, 109, 170
Decimal	43614
CIELab	61.27, -54.73, 28.95
CIELCh	61, 61.918, 152.122
Yxy	29.5576, 0.2671, 0.4815
Android (android.graphics.Color)	4278233694 (0xFF00AA5E)
YUV	110.5060, -8.1375, -96.9138
Hunter-Lab	54.3669, -41.3129, 21.2287

Details

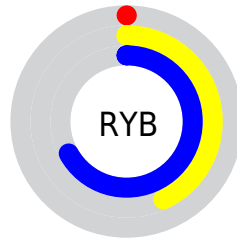
The XYZ color **16.3951, 29.5576, 15.4308** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.8831, 9.0684, 7.6468**, and the grayscale version is **15.0062, 15.7877, 17.1928**.

A 20% lighter version of the original color is **36.7208, 58.7124, 36.1853**, and **6.7385, 12.6880, 4.6786** is the 20% darker color. If you saturate the color by 10%, you get **16.3956, 29.5587, 15.4307**, and if you desaturate by 10%, it is **16.9852, 29.8212, 17.3282**.

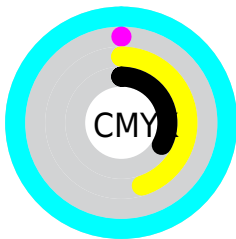
Distribution



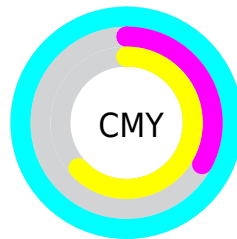
- Red (0%)
- Green (67%)
- Blue (37%)



- Red (0%)
- Yellow (43%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3951, 29.5576, 15.4308 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 16.3951, 29.5576, 15.4308 by changing the saturation by 10% instead.


 16.3951, 29.5576,
15.4308


 16.3951, 29.5576,
15.4308


224.8868,
299.8368, 237.6891


 9.8968, 19.5030,
8.9723


 36.8347, 58.9618,
36.3601


 5.3923, 12.0343,
4.6266


 51.5067, 79.0803,
51.6680


 2.5163, 6.7671,
1.9750


 69.6340, 103.3222,
70.7628

 0.9035, 3.3168,
0.5398

 91.5819, 132.0719,
94.0630

 0.0000, 1.2993,
0.0000

 117.7157,
165.7138, 121.9872

 0.0000, 0.1407,
0.0000

 148.4009,

 0.0000, 0.0000,

204.6324, 154.9539

0.0000

184.0029,
249.2119, 193.3817

■ 16.3951, 29.5576,
15.4308

■ 16.3951, 29.5576,
15.4308

■ 16.3956, 29.5587,
15.4307

■ 16.9852, 29.8212,
17.3282

■ 17.8065, 30.1993,
19.4159

■ 18.9403, 30.7343,
21.7032

■ 20.4235, 31.4453,
24.1961

■ 22.2875, 32.3483,
26.9005

■ 24.5603, 33.4577,
29.8219

■ 27.2669, 34.7862,
32.9655

■ 30.4302, 36.3456,
36.3363

■ 34.0717, 38.1469,
39.9392

Harmonies

Analogous

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



20.5589, 29.5576, 7.1760



16.3951, 29.5576, 15.4308



15.1649, 29.5576, 33.8735

Triad

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



16.3951, 29.5576, 15.4308



28.6778, 29.5576, 101.0751



43.5621, 29.5576, 13.7341

Complementary

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



16.3951, 29.5576, 15.4308



17.8831, 9.0684, 7.6468

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.



46.8399, 29.5576, 30.5501



16.3951, 29.5576, 15.4308



37.2754, 29.5576, 87.1074

Square

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



16.3951, 29.5576, 15.4308



21.3858, 29.5576, 90.3744



44.3439, 29.5576, 58.0550



36.0751, 29.5576, 6.5822

Rectangle

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



16.3951, 29.5576, 15.4308



15.9351, 29.5576, 52.2113



44.3439, 29.5576, 58.0550



45.2515, 29.5576, 18.0701

Sweetspot

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



16.3958, 29.5588, 15.4315



49.1807, 62.9707, 59.4868



17.3961, 30.3078, 4.9333



10.5012, 13.8136, 12.7359



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.



16.3958, 29.5588, 15.4315



29.6358, 53.5846, 27.4106



20.0890, 28.5684, 42.4871



7.6038, 8.4746, 8.8998



12.0888, 21.7543, 11.5002



0.3193, 0.5394, 0.4124

Inverse Universe

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



17.8831, 9.0684, 7.6468



32.3392, 16.4103, 13.3134



16.6706, 8.7311, 0.8068



7.6653, 7.5960, 8.5545



13.1816, 6.6814, 5.7681



0.3467, 0.1729, 0.2770

Previews

White Background



This preview shows how the XYZ color 16.3951, 29.5576, 15.4308 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 16.3951, 29.5576, 15.4308 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 16.3951, 29.5576, 15.4308

Background



This preview shows how black text looks on a background with the XYZ color 16.3951, 29.5576, 15.4308.



This preview shows how white text looks on a background with the XYZ color 16.3951, 29.5576,

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

16.3951, 29.5576, 15.4308

Protanopia

26.7714, 29.1004, 12.8003

Deuteranopia

29.5530, 29.1033, 16.3718



Tritanopia

22.4347, 29.6025, 44.5758

Trichromacy



Original Color

16.3951, 29.5576, 15.4308



Protanomaly

18.9623, 26.9721, 13.4392



Deuteranomaly

19.9884, 26.7178, 15.6588



Tritanomaly

19.2614, 29.0464, 31.3794

Monochromacy



Original Color

16.3951, 29.5576, 15.4308



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.3996, 18.8620, 16.2991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3951, 29.5576, 15.4308 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(0, 170, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 94)  
}
```

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(0, 170, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.3951, 29.5576, 15.4308 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(0, 170, 94) }
```


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

```
.border{ border-color:rgb(0, 170, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 170, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3951, 29.5576, 15.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 94) }
```

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

```
.background{ background-color: rgb(0, 170,  
94) }
```

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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