

Converting Colors

XYZ(16.4504, 28.7283, 5.3443)

Have a look what the booklet for
XYZ(16.4504, 28.7283, 5.3443)
contains.

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Color

**XYZ(16.4350, 28.7007,
5.3354)**

Conversions

Conversions Part 1

Format	Color
Hex	48A614
RGB	72, 166, 20
RGB Percent	28%, 65%, 8%
CMY	0.7176, 0.3490, 0.9215
CMYK	0.57, 0.00, 0.88, 0.35
HSL	99°, 78%, 36%
HSV	99°, 88%, 65%
XYZ	16.4350, 28.7007, 5.3354
YIQ	121.2500, -9.1580, -65.3340

Conversions

Conversions Part 2

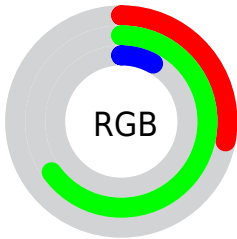
Format	Color
R_{YB}	20, 166, 114
Decimal	4761108
CIE _{Lab}	60.52, -51.26, 58.74
CIE _{LCh}	61, 77.958, 131.108
Yxy	28.7007, 0.3256, 0.5687
Android (android.graphics.Color)	4282951188 (0xFF48A614)
YUV	121.2500, -49.9162, -43.1923
Hunter-Lab	53.5730, -38.9930, 31.5964

Details

The XYZ color **16.4350, 28.7007, 5.3354** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.0747, 6.8322, 36.6550**, and the grayscale version is **18.4147, 19.3737, 21.0979**.

A 20% lighter version of the original color is **36.9666, 57.6619, 16.9661**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **15.5992, 28.2831, 4.7349**, and if you desaturate by 10%, it is **17.5045, 29.2297, 6.4376**.

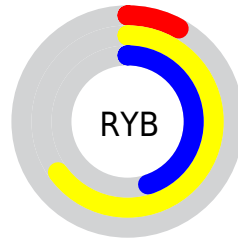
Distribution



Red (28%)

Green (65%)

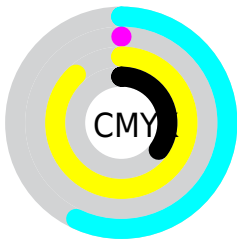
Blue (8%)



Red (8%)

Yellow (65%)

Blue (45%)

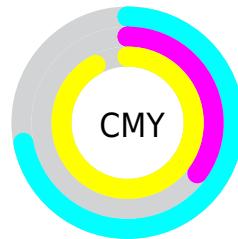


Cyan (57%)

Magenta (0%)

Yellow (88%)

Black (35%)



Cyan (72%)

Magenta (35%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4350, 28.7007, 5.3354 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 16.4350, 28.7007, 5.3354 by changing the saturation by 10% instead.

■ 16.4350, 28.7007,
5.3354

■ 16.4350, 28.7007,
5.3354

225.1153,
295.8002, 162.0784

■ 9.9253, 18.8545,
2.3832

■ 36.9031, 57.6012,
16.9882

■ 5.4113, 11.5652,
0.7773

■ 51.5923, 77.4243,
26.5259

■ 2.5278, 6.4484,
0.0000

■ 69.7386, 101.3419,
39.0959

■ 0.9093, 3.1196,
0.0000

■ 91.7074, 129.7383,
55.1167

■ 0.0000, 1.1945,
0.0000

■ 117.8642,
162.9979, 75.0068

■ 0.0000, 0.0572,
0.0000

■ 148.5742,

■ 0.0000, 0.0000,

201.5052, 99.1847

0.0000

184.2028,
245.6445, 128.0691

■ 16.4350, 28.7007,
5.3354

■ 16.4350, 28.7007,
5.3354

■ 15.5992, 28.2831,
4.7349

■ 17.5045, 29.2297,
6.4376

■ 15.4474, 28.2070,
4.6303

■ 18.8368, 29.8795,
8.1681

■ 20.4529, 30.6605,
10.6031

■ 22.3712, 31.5804,
13.8077

■ 24.6079, 32.6466,
17.8393

■ 27.1783, 33.8656,
22.7502

■ 30.0964, 35.2438,
28.5880

■ 33.3754, 36.7868,
35.3972

■ 37.0278, 38.5004,
43.2192

Harmonies

Analogous

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



23.7194, 28.7007, 2.3177



16.4350, 28.7007, 5.3354



12.7652, 28.7007, 16.5261

Triad

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



16.4350, 28.7007, 5.3354



21.4831, 28.7007, 118.4315



51.0035, 28.7007, 21.7457

Complementary

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



16.4350, 28.7007, 5.3354



14.0747, 6.8322, 36.6550

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.



49.9791, 28.7007, 52.8380



16.4350, 28.7007, 5.3354



31.1784, 28.7007, 123.2257

Square

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



16.4350, 28.7007, 5.3354



15.1459, 28.7007, 83.6589



42.0764, 28.7007, 94.3350



44.6039, 28.7007, 7.1448

Rectangle

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



16.4350, 28.7007, 5.3354



12.1495, 28.7007, 32.3342



42.0764, 28.7007, 94.3350



51.5500, 28.7007, 30.1907

Sweetspot

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



16.4357, 28.7019, 5.3360



50.0588, 61.8079, 42.7309



21.6994, 19.8507, 3.3502



10.8330, 13.6567, 8.8404



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.



16.4357, 28.7019, 5.3360



27.8242, 51.0825, 8.3934



14.2997, 27.5721, 6.5293



7.6795, 8.5329, 8.0315



12.0251, 21.8964, 3.5926



0.3482, 0.5614, 0.0900

Inverse Universe

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



14.0747, 6.8322, 36.6550



23.2335, 10.5342, 66.2841



21.2071, 10.7001, 28.3615



7.5788, 7.5310, 9.4725



10.0807, 4.5802, 28.3283



0.2978, 0.1385, 0.6917

Previews

White Background



This preview shows how the XYZ color 16.4350, 28.7007, 5.3354 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 16.4350, 28.7007, 5.3354 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 16.4350, 28.7007, 5.3354

Background



This preview shows how black text looks on a background with the XYZ color 16.4350, 28.7007, 5.3354.



This preview shows how white text looks on a background with the XYZ color 16.4350, 28.7007,

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

16.4350, 28.7007, 5.3354

Protanopia

25.5016, 28.1699, 4.4411

Deuteranopia

28.7461, 28.2685, 5.8607



Tritanopia

23.4604, 28.4426, 40.8127

Trichromacy



Original Color

16.4350, 28.7007, 5.3354

Protanomaly

20.8375, 27.6422, 4.6892

Deuteranomaly

22.0059, 27.0349, 5.4249

Tritanomaly

19.2886, 27.7433, 20.2580

Monochromacy



Original Color

16.4350, 28.7007, 5.3354

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.1394, 21.4150, 11.6704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4350, 28.7007, 5.3354 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(72, 166, 20)` looks like.

```
.text, #text, p{  
    color:rgb(72, 166, 20)  
}
```

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(72, 166, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 166, 20) }
```

Border

The CSS property to change the border of an element to XYZ 16.4350, 28.7007, 5.3354 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(72, 166, 20) }
```


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

```
.border{ border-color:rgb(72, 166, 20) }
```

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

Here you see how a box with a 4 pixel rgb(72, 166, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 166, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 166, 20);  
box-shadow:4px 4px 4px 4px rgb(72, 166,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4350, 28.7007, 5.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 166, 20) }
```

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

```
.background{ background-color: rgb(72, 166,  
20) }
```

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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