

Converting Colors

XYZ(16.4660, 27.6192, 5.7158)

Have a look what the booklet for
XYZ(16.4660, 27.6192, 5.7158)
contains.

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Color

**XYZ(16.4629, 27.6399,
5.6956)**

Conversions

Conversions Part 1

Format	Color
Hex	50A21E
RGB	80, 162, 30
RGB Percent	31%, 64%, 12%
CMY	0.6863, 0.3647, 0.8823
CMYK	0.51, 0.00, 0.81, 0.36
HSL	97°, 69%, 38%
HSV	97°, 81%, 64%
XYZ	16.4629, 27.6399, 5.6956
YIQ	122.4340, -6.5000, -58.4360

Conversions

Conversions Part 2

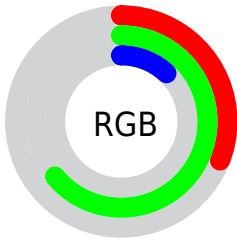
Format	Color
R_{YB}	30, 162, 112
Decimal	5284382
CIE _{Lab}	59.56, -46.98, 55.48
CIE _{LCh}	60, 72.703, 130.259
Yxy	27.6399, 0.3306, 0.5550
Android (android.graphics.Color)	4283474462 (0xFF50A21E)
YUV	122.4340, -45.5700, -37.2146
Hunter-Lab	52.5737, -36.1085, 30.3783

Details

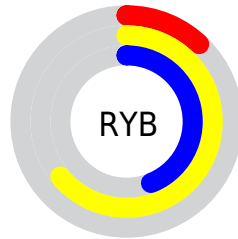
The XYZ color **16.4629, 27.6399, 5.6956** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **13.6697, 6.9830, 34.8114**, and the grayscale version is **18.7877, 19.7662, 21.5253**.

A 20% lighter version of the original color is **37.1082, 56.1493, 17.8989**, and **5.5688, 10.9889, 1.8276** is the 20% darker color. If you saturate the color by 10%, you get **15.5200, 27.1727, 4.8354**, and if you desaturate by 10%, it is **17.6408, 28.2176, 7.1229**.

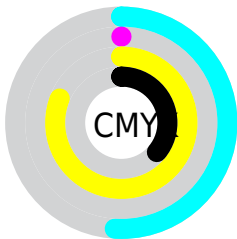
Distribution



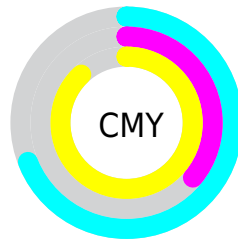
- Red (31%)
- Green (64%)
- Blue (12%)



- Red (12%)
- Yellow (64%)
- Blue (44%)



- Cyan (51%)
- Magenta (0%)
- Yellow (81%)
- Black (36%)



- Cyan (69%)
- Magenta (36%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4629, 27.6399, 5.6956 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 16.4629, 27.6399, 5.6956 by changing the saturation by 10% instead.

■ 16.4629, 27.6399,
5.6956

■ 16.4629, 27.6399,
5.6956

225.2750,
290.7422, 165.5335

■ 9.9452, 18.0544,
2.5951

■ 36.9510, 55.9090,
17.7624

■ 5.4246, 10.9890,
0.8899

■ 51.6521, 75.3614,
27.5657

■ 2.5358, 6.0595,
0.0000

■ 69.8117, 98.8715,
40.4404

■ 0.9133, 2.8813,
0.0000

■ 91.7952, 126.8238,
56.8051

■ 0.0000, 1.0701,
0.0000

■ 117.9679,
159.6026, 77.0781

■ 0.0000, 0.0000,
0.0000

■ 148.6952,

197.5924, 101.6782

184.3425,
241.1774, 131.0238

■ 16.4629, 27.6399,
5.6956

■ 16.4629, 27.6399,
5.6956

■ 15.5200, 27.1727,
4.8354

■ 17.6408, 28.2176,
7.1229

■ 14.8675, 26.8454,
4.3981

■ 19.0714, 28.9108,
9.1913

■ 20.7724, 29.7281,
11.9655

■ 22.7592, 30.6761,
15.5020

■ 25.0459, 31.7611,
19.8515

■ 27.6457, 32.9887,
25.0601

■ 30.5707, 34.3643,
31.1707

■ 33.8324, 35.8931,
38.2232

■ 37.4417, 37.5797,
46.2553

Harmonies

Analogous

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



23.2605, 27.6399, 2.7584



16.4629, 27.6399, 5.6956



12.9475, 27.6399, 16.0834

Triad

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



16.4629, 27.6399, 5.6956



20.7655, 27.6399, 106.7885



47.6631, 27.6399, 21.9839

Complementary

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



16.4629, 27.6399, 5.6956



13.6697, 6.9830, 34.8114

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.



46.5523, 27.6399, 50.5222



16.4629, 27.6399, 5.6956



29.5304, 27.6399, 111.8819

Square

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



16.4629, 27.6399, 5.6956



15.0026, 27.6399, 75.8100



39.3590, 27.6399, 87.2432



42.1131, 27.6399, 7.8656

Rectangle

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



16.4629, 27.6399, 5.6956



12.3132, 27.6399, 30.3238



39.3590, 27.6399, 87.2432



48.0825, 27.6399, 29.8677

Sweetspot

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



16.4635, 27.6411, 5.6962



48.7202, 59.1947, 42.5086



20.8641, 19.2328, 3.8413



10.5801, 13.1238, 8.8205



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.



16.4635, 27.6411, 5.6962



27.0282, 48.7510, 8.1069



13.9380, 26.3106, 6.8676



7.2273, 8.0197, 7.5471



11.7573, 21.1716, 3.4669



0.2985, 0.4714, 0.0753

Inverse Universe

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



13.6697, 6.9830, 34.8114



21.5729, 9.8217, 62.8149



20.6008, 10.7047, 28.4214



7.1032, 7.0675, 8.8929



9.3835, 4.2439, 27.2544



0.2472, 0.1149, 0.5750

Previews

White Background



This preview shows how the XYZ color 16.4629, 27.6399, 5.6956 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 16.4629, 27.6399, 5.6956 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 16.4629, 27.6399, 5.6956

Background



This preview shows how black text looks on a background with the XYZ color 16.4629, 27.6399, 5.6956.



This preview shows how white text looks on a background with the XYZ color 16.4629, 27.6399,

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

16.4629, 27.6399, 5.6956

Protanopia

24.6959, 27.2922, 4.8860

Deuteranopia

27.7090, 27.0935, 6.1520



Tritanopia

23.0443, 27.5443, 38.7523

Trichromacy



Original Color

16.4629, 27.6399, 5.6956

Protanomaly

20.6199, 26.7974, 5.1225

Deuteranomaly

21.8193, 26.2369, 5.8337

Tritanomaly

19.3301, 27.0077, 20.4139

Monochromacy



Original Color

16.4629, 27.6399, 5.6956

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.8122, 21.7384, 12.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4629, 27.6399, 5.6956 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(80, 162, 30)` looks like.

```
.text, #text, p{  
    color:rgb(80, 162, 30)  
}
```

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(80, 162, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 162, 30) }
```

Border

The CSS property to change the border of an element to XYZ 16.4629, 27.6399, 5.6956 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(80, 162, 30) }
```


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

```
.border{ border-color:rgb(80, 162, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 162, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 162, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 162, 30);  
box-shadow:4px 4px 4px 4px rgb(80, 162,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4629, 27.6399, 5.6956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 162, 30) }
```

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

```
.background{ background-color: rgb(80, 162,  
30) }
```

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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