

Converting Colors

XYZ(18.5706, 27.8605, 6.6297)

Have a look what the booklet for
XYZ(18.5706, 27.8605, 6.6297)
contains.

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Color

**XYZ(18.6418, 27.9667,
6.6061)**

Conversions

Conversions Part 1

Format	Color
Hex	699F2A
RGB	105, 159, 42
RGB Percent	41%, 62%, 16%
CMY	0.5882, 0.3765, 0.8353
CMYK	0.34, 0.00, 0.74, 0.38
HSL	88°, 58%, 39%
HSV	88°, 74%, 62%
XYZ	18.6418, 27.9667, 6.6061
YIQ	129.5160, 5.3730, -47.8350

Conversions

Conversions Part 2

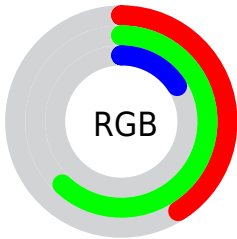
Format	Color
RYB	42, 159, 96
Decimal	6922026
CIELab	59.86, -36.47, 52.20
CIElCh	60, 63.681, 124.941
Yxy	27.9667, 0.3503, 0.5255
Android (android.graphics.Color)	4285112106 (0xFF699F2A)
YUV	129.5160, -43.1454, -21.5005
Hunter-Lab	52.8836, -29.6238, 29.6121

Details

The XYZ color **18.6418, 27.9667, 6.6061** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.9111, 6.6468, 33.4576**, and the grayscale version is **21.1940, 22.2977, 24.2822**.

A 20% lighter version of the original color is **40.6093, 56.3929, 19.5711**, and **6.6229, 11.2192, 1.8165** is the 20% darker color. If you saturate the color by 10%, you get **17.5869, 27.4504, 5.3549**, and if you desaturate by 10%, it is **19.8854, 28.5690, 8.4566**.

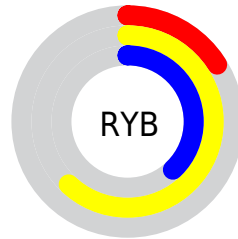
Distribution



Red (41%)

Green (62%)

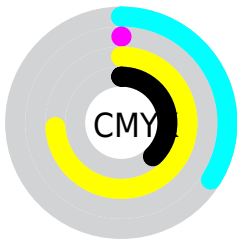
Blue (16%)



Red (16%)

Yellow (62%)

Blue (38%)

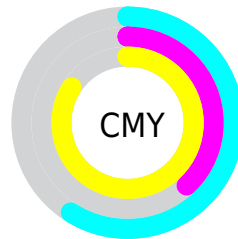


Cyan (34%)

Magenta (0%)

Yellow (74%)

Black (38%)



Cyan (59%)

Magenta (38%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6418, 27.9667, 6.6061 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 18.6418, 27.9667, 6.6061 by changing the saturation by 10% instead.

■ 18.6418, 27.9667,
6.6061

■ 18.6418, 27.9667,
6.6061

237.4404,
292.3078, 173.8542

■ 11.5142, 18.3006,
3.1423

■ 40.6495, 56.4313,
19.6755

■ 6.4836, 11.1660,
1.1678

■ 56.2603, 75.9985,
30.1182

■ 3.1848, 6.1786,
0.0000

■ 75.4296, 99.6349,
43.7242

■ 1.2522, 2.9540,
0.0000

■ 98.5227, 127.7248,
60.9122

■ 0.1470, 1.1078,
0.0000

■ 125.9050,
160.6526, 82.1007

■ 0.0000, 0.0000,
0.0000

■ 157.9418,

198.8028, 107.7081

194.9984,
242.5597, 138.1531

■ 18.6418, 27.9667,
6.6061

■ 18.6418, 27.9667,
6.6061

■ 17.5869, 27.4504,
5.3549

■ 19.8854, 28.5690,
8.4566

■ 16.7025, 27.0097,
4.6261

■ 21.3294, 29.2594,
10.9677

■ 16.2009, 26.7575,
4.3108

■ 22.9867, 30.0440,
14.1948

■ 24.8683, 30.9276,
18.1874

■ 26.9843, 31.9143,
22.9902

■ 29.3441, 33.0081,
28.6447

■ 31.9567, 34.2128,
35.1895

■ 34.8304, 35.5318,
42.6608

■ 37.9730, 36.9686,
51.0928

Harmonies

Analogous

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



25.2662, 27.9667, 4.1573



18.6418, 27.9667, 6.6061



14.8487, 27.9667, 15.2297

Triad

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



18.6418, 27.9667, 6.6061



20.5311, 27.9667, 91.1278



45.2512, 27.9667, 26.7785

Complementary

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



18.6418, 27.9667, 6.6061



11.9111, 6.6468, 33.4576

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.



43.2786, 27.9667, 53.4426



18.6418, 27.9667, 6.6061



27.9417, 27.9667, 99.7368

Square

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



18.6418, 27.9667, 6.6061



15.7746, 27.9667, 63.6898



36.5056, 27.9667, 83.4016



41.4536, 27.9667, 11.4199

Rectangle

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



18.6418, 27.9667, 6.6061



13.9183, 27.9667, 26.6946



36.5056, 27.9667, 83.4016



45.2472, 27.9667, 34.5442

Sweetspot

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



18.6425, 27.9679, 6.6067



48.7934, 57.3710, 42.2707



18.7779, 15.6607, 4.2240



10.7724, 12.8282, 8.9976



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6425, 27.9679, 6.6067



30.4960, 48.6626, 8.6932



14.0288, 25.5895, 6.3908



6.8747, 7.5681, 7.0841



12.8440, 21.1580, 3.4070



0.2782, 0.4033, 0.0632

Inverse Universe

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



11.9111, 6.6468, 33.4576



17.8183, 8.4003, 59.4257



20.2523, 10.9468, 33.8480



6.5611, 6.5777, 8.3305



7.1836, 3.1323, 26.1332



0.1768, 0.0809, 0.4695

Previews

White Background



This preview shows how the XYZ color 18.6418, 27.9667, 6.6061 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 18.6418, 27.9667, 6.6061 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 18.6418, 27.9667, 6.6061

Background



This preview shows how black text looks on a background with the XYZ color 18.6418, 27.9667, 6.6061.



This preview shows how white text looks on a background with the XYZ color 18.6418, 27.9667,

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

18.6418, 27.9667, 6.6061

Protanopia

25.0211, 27.6635, 5.8546

Deuteranopia

27.9921, 27.4310, 6.9513



Tritanopia

24.8202, 27.7828, 37.3122

Trichromacy



Original Color

18.6418, 27.9667, 6.6061

Protanomaly

22.0982, 27.3041, 6.0250

Deuteranomaly

23.4557, 26.8353, 6.7398

Tritanomaly

21.5094, 27.3857, 20.9819

Monochromacy



Original Color

18.6418, 27.9667, 6.6061

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.6146, 23.9965, 15.1533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6418, 27.9667, 6.6061 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(105, 159, 42)` looks like.

```
.text, #text, p{  
    color:rgb(105, 159, 42)  
}
```

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(105, 159, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 159, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.6418, 27.9667, 6.6061 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(105, 159, 42) }
```


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

```
.border{ border-color:rgb(105, 159, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 159, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 159, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 159, 42);  
box-shadow:4px 4px 4px 4px rgb(105, 159,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6418, 27.9667, 6.6061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 159, 42) }
```

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

```
.background{ background-color: rgb(105,  
159, 42) }
```

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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