

Converting Colors

XYZ(18.5737, 27.1316, 4.7311)

Have a look what the booklet for
XYZ(18.5737, 27.1316, 4.7311)
contains.

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Color

**XYZ(18.6641, 27.2591,
4.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	709C10
RGB	112, 156, 16
RGB Percent	44%, 61%, 6%
CMY	0.5608, 0.3882, 0.9372
CMYK	0.28, 0.00, 0.90, 0.39
HSL	79°, 81%, 34%
HSV	79°, 90%, 61%
XYZ	18.6641, 27.2591, 4.7680
YIQ	126.8840, 18.7160, -52.8680

Conversions

Conversions Part 2

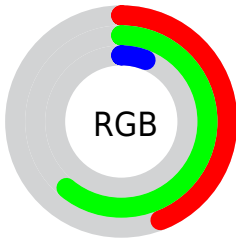
Format	Color
RYB	16, 156, 60
Decimal	7379984
CIELab	59.21, -33.58, 59.18
CIElCh	59, 68.044, 119.566
Yxy	27.2591, 0.3682, 0.5377
Android (android.graphics.Color)	4285570064 (0xFF709C10)
YUV	126.8840, -54.6658, -13.0533
Hunter-Lab	52.2102, -27.5578, 31.1326

Details

The XYZ color **18.6641, 27.2591, 4.7680** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.0507, 3.7323, 31.7502**, and the grayscale version is **20.3112, 21.3689, 23.2708**.

A 20% lighter version of the original color is **40.8179, 55.4634, 15.7619**, and **6.6952, 10.8002, 1.7318** is the 20% darker color. If you saturate the color by 10%, you get **17.9663, 26.9108, 4.2591**, and if you desaturate by 10%, it is **19.4676, 27.6555, 5.6508**.

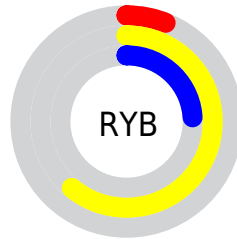
Distribution



Red (44%)

Green (61%)

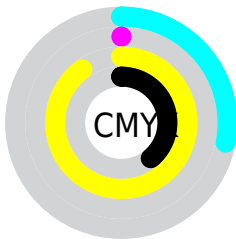
Blue (6%)



Red (6%)

Yellow (61%)

Blue (24%)

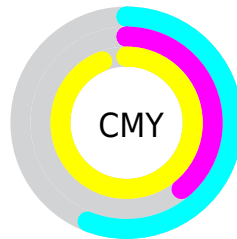


Cyan (28%)

Magenta (0%)

Yellow (90%)

Black (39%)



Cyan (56%)

Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6641, 27.2591, 4.7680 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 18.6641, 27.2591, 4.7680 by changing the saturation by 10% instead.

■ 18.6641, 27.2591,
4.7680

■ 18.6641, 27.2591,
4.7680

237.5619,
288.9095, 156.4134

■ 11.5304, 17.7679,
2.0554

■ 40.6870, 55.2994,
15.7455

■ 6.4947, 10.7835,
0.5891

■ 56.3069, 74.6172,
24.8475

■ 3.1916, 5.9214,
0.0000

■ 75.4862, 97.9794,
36.9164

■ 1.2559, 2.7974,
0.0000

■ 98.5904, 125.7704,
52.3708

■ 0.1498, 1.0269,
0.0000

■ 125.9847,
158.3745, 71.6291

■ 0.0000, 0.0000,
0.0000

■ 158.0344,

196.1761, 95.1099

195.1051,
239.5596, 123.2319

18.6641, 27.2591,
4.7680

18.6641, 27.2591,
4.7680

17.9663, 26.9108,
4.2591

19.4676, 27.6555,
5.6508

17.9486, 26.9020,
4.2466

20.4051, 28.1086,
7.0616

21.4903, 28.6247,
9.0673

22.7344, 29.2086,
11.7246

24.1475, 29.8642,
15.0838

■ 25.7387, 30.5952,
19.1899

■ 27.5161, 31.4050,
24.0844

■ 29.4877, 32.2968,
29.8056

■ 31.6606, 33.2735,
36.3894

Harmonies

Analogous

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



26.0326, 27.2591, 3.1869



18.6641, 27.2591, 4.7680



14.2349, 27.2591, 11.7472

Triad

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



18.6641, 27.2591, 4.7680



18.4928, 27.2591, 90.9383



45.8856, 27.2591, 30.0355

Complementary

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



18.6641, 27.2591, 4.7680



8.0507, 3.7323, 31.7502

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.



42.6740, 27.2591, 60.1943



18.6641, 27.2591, 4.7680



25.7857, 27.2591, 105.2022

Square

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



18.6641, 27.2591, 4.7680



14.1522, 27.2591, 59.2184



34.8211, 27.2591, 91.6862



42.8464, 27.2591, 12.0804

Rectangle

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



18.6641, 27.2591, 4.7680



12.9488, 27.2591, 21.9980



34.8211, 27.2591, 91.6862



45.4926, 27.2591, 38.9710

Sweetspot

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



18.6647, 27.2603, 4.7686



47.4283, 55.8785, 36.6862



15.3180, 10.1325, 1.6390



10.2245, 12.1989, 7.5047



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.6647, 27.2603, 4.7686



32.3875, 48.7506, 7.7028



13.0217, 24.3512, 4.5045



6.9672, 7.6157, 7.0884



14.8202, 22.1768, 3.4995



0.3065, 0.4179, 0.0645

Inverse Universe

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



8.0507, 3.7323, 31.7502



13.0214, 5.4537, 57.4931



15.0893, 7.3608, 32.0796



6.4712, 6.5314, 8.3263



6.0199, 2.5324, 26.0788



0.1486, 0.0664, 0.4682

Previews

White Background



This preview shows how the XYZ color 18.6641, 27.2591, 4.7680 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 18.6641, 27.2591, 4.7680 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 18.6641, 27.2591, 4.7680

Background



This preview shows how black text looks on a background with the XYZ color 18.6641, 27.2591, 4.7680.



This preview shows how white text looks on a background with the XYZ color 18.6641, 27.2591,

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

18.6641, 27.2591, 4.7680

Protanopia

24.2250, 26.8415, 4.1913

Deuteranopia

27.5289, 27.0215, 5.2036



Tritanopia

24.9636, 27.1971, 35.8321

Trichromacy



Original Color

18.6641, 27.2591, 4.7680

Protanomaly

21.8278, 26.7336, 4.3575

Deuteranomaly

23.5379, 26.6926, 4.9485

Tritanomaly

21.3750, 26.6731, 17.6575

Monochromacy



Original Color

18.6641, 27.2591, 4.7680

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.8348, 23.0027, 12.4641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6641, 27.2591, 4.7680 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(112, 156, 16)` looks like.

```
.text, #text, p{  
    color:rgb(112, 156, 16)  
}
```

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(112, 156, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 156, 16) }
```

Border

The CSS property to change the border of an element to XYZ 18.6641, 27.2591, 4.7680 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(112, 156, 16) }
```


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

```
.border{ border-color:rgb(112, 156, 16) }
```

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

Here you see how a box with a 4 pixel rgb(112, 156, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 156, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 156, 16);  
box-shadow:4px 4px 4px 4px rgb(112, 156,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6641, 27.2591, 4.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 156, 16) }
```

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

```
.background{ background-color: rgb(112,  
156, 16) }
```

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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