

Converting Colors

XYZ(18.0933, 27.0421, 4.5374)

Have a look what the booklet for
XYZ(18.0933, 27.0421, 4.5374)
contains.

XYZ(18.0012, 26.9225, 4.5062)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0012, 26.9225,
4.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9C09
RGB	107, 156, 9
RGB Percent	42%, 61%, 4%
CMY	0.5804, 0.3882, 0.9647
CMYK	0.31, 0.00, 0.94, 0.39
HSL	80°, 89%, 32%
HSV	80°, 94%, 61%
XYZ	18.0012, 26.9225, 4.5062
YIQ	124.5910, 17.9830, -56.1050

Conversions

Conversions Part 2

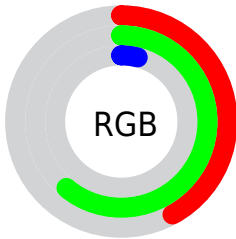
Format	Color
R_{YB}	9, 156, 58
Decimal	7052297
CIE Lab	58.90, -35.72, 59.96
CIE LCh	59, 69.794, 120.781
Yxy	26.9225, 0.3642, 0.5447
Android (android.graphics.Color)	4285242377 (0xFF6B9C09)
YUV	124.5910, -56.9864, -15.4273
Hunter-Lab	51.8869, -28.8748, 31.1717

Details

The XYZ color **18.0012, 26.9225, 4.5062** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8447, 3.4961, 31.7155**, and the grayscale version is **19.5376, 20.5551, 22.3845**.

A 20% lighter version of the original color is **39.6685, 54.8831, 15.1593**, and **6.3665, 10.6307, 1.7164** is the 20% darker color. If you saturate the color by 10%, you get **17.5975, 26.7209, 4.2302**, and if you desaturate by 10%, it is **18.7680, 27.3046, 5.1791**.

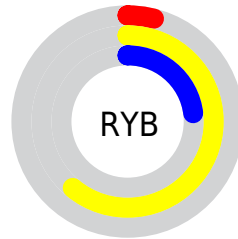
Distribution



Red (42%)

Green (61%)

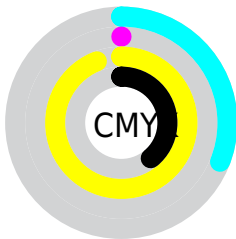
Blue (4%)



Red (4%)

Yellow (61%)

Blue (23%)

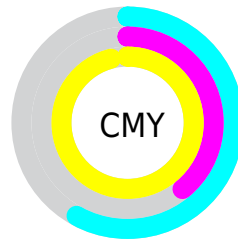


Cyan (31%)

Magenta (0%)

Yellow (94%)

Black (39%)



Cyan (58%)

Magenta (39%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0012, 26.9225, 4.5062 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 18.0012, 26.9225, 4.5062 by changing the saturation by 10% instead.

■ 18.0012, 26.9225,
4.5062

■ 18.0012, 26.9225,
4.5062

233.9233,
287.2817, 153.6958

■ 11.0505, 17.5150,
1.9070

■ 39.5694, 54.7595,
15.1613

■ 6.1684, 10.6024,
0.4972

■ 54.9177, 73.9578,
24.0543

■ 2.9894, 5.8001,
0.0000

■ 73.7959, 97.1885,
35.8823

■ 1.1481, 2.7239,
0.0000

■ 96.5694, 124.8360,
51.0637


■ 0.0648, 0.9894,
0.0000

■ 123.6035,
157.2846, 70.0173

■ 0.0000, 0.0000,
0.0000


■ 155.2637,


194.9189, 93.1615


 191.9151,
238.1231, 120.9148


 18.0012, 26.9225,
4.5062


 18.0012, 26.9225,
4.5062


 17.5975, 26.7209,
4.2302

 18.7680, 27.3046,
5.1791

 19.6659, 27.7426,
6.3448

 20.7099, 28.2435,
8.0774

 21.9122, 28.8123,
10.4374

 23.2834, 29.4534,
13.4776

■ 24.8331, 30.1704,
17.2452

■ 26.5699, 30.9672,
21.7833

■ 28.5020, 31.8468,
27.1314

■ 30.6368, 32.8125,
33.3265

Harmonies

Analogous

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



25.3636, 26.9225, 2.8460



18.0012, 26.9225, 4.5062



13.6661, 26.9225, 11.6958

Triad

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



18.0012, 26.9225, 4.5062



18.3128, 26.9225, 93.4357



46.0281, 26.9225, 28.6711

Complementary

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



18.0012, 26.9225, 4.5062



7.8447, 3.4961, 31.7155

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.



42.9772, 26.9225, 59.1739



18.0012, 26.9225, 4.5062



25.8158, 26.9225, 107.1447

Square

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



18.0012, 26.9225, 4.5062



13.8155, 26.9225, 60.9837



35.0560, 26.9225, 92.0400



42.6585, 26.9225, 11.0983

Rectangle

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



18.0012, 26.9225, 4.5062



12.4549, 26.9225, 22.3398



35.0560, 26.9225, 92.0400



45.7141, 26.9225, 37.6069

Sweetspot

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



18.0018, 26.9237, 4.5068



46.8472, 55.5975, 35.8167



15.2739, 10.1151, 1.4062



10.0333, 12.1076, 7.1688



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.



18.0018, 26.9237, 4.5068



31.7447, 48.4192, 7.6727



12.5821, 24.1297, 4.2531



6.9551, 7.6095, 7.0879



14.5319, 22.0282, 3.4860



0.3028, 0.4160, 0.0643

Inverse Universe

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



7.8447, 3.4961, 31.7155



13.2836, 5.5889, 57.5054



15.5374, 7.4618, 32.0755



6.4827, 6.5373, 8.3268



6.1432, 2.5960, 26.0845



0.1522, 0.0683, 0.4684

Previews

White Background



This preview shows how the XYZ color 18.0012, 26.9225, 4.5062 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 18.0012, 26.9225, 4.5062 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 18.0012, 26.9225, 4.5062

Background



This preview shows how black text looks on a background with the XYZ color 18.0012, 26.9225, 4.5062.



This preview shows how white text looks on a background with the XYZ color 18.0012, 26.9225,

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

18.0012, 26.9225, 4.5062

Protanopia

23.9711, 26.7169, 3.8935

Deuteranopia

27.1325, 26.6141, 5.0033



Tritanopia

24.2372, 26.8227, 35.7981

Trichromacy



Original Color

18.0012, 26.9225, 4.5062

Protanomaly

21.2654, 26.4495, 4.0706

Deuteranomaly

22.7766, 26.0833, 4.6447

Tritanomaly

20.5317, 26.2561, 16.8178

Monochromacy



Original Color

18.0012, 26.9225, 4.5062

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

17.8367, 22.0844, 11.5062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0012, 26.9225, 4.5062 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(107, 156, 9)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 9)  
}
```

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(107, 156, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 9) }
```

Border

The CSS property to change the border of an element to XYZ 18.0012, 26.9225, 4.5062 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(107, 156, 9) }
```


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

```
.border{ border-color:rgb(107, 156, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 156, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 9);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0012, 26.9225, 4.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 9) }
```

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

```
.background{ background-color: rgb(107,  
156, 9) }
```

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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