

Converting Colors

XYZ(5.9897, 11.7019, 2.8523)

Have a look what the booklet for
XYZ(5.9897, 11.7019, 2.8523)
contains.

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Color

**XYZ(5.9696, 11.6585,
2.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	007019
RGB	0, 112, 25
RGB Percent	0%, 44%, 10%
CMY	1.0000, 0.5608, 0.9019
CMYK	1.00, 0.00, 0.78, 0.56
HSL	133°, 100%, 22%
HSV	133°, 100%, 44%
XYZ	5.9696, 11.6585, 2.8554
YIQ	68.5940, -38.8250, -50.8010

Conversions

Conversions Part 2

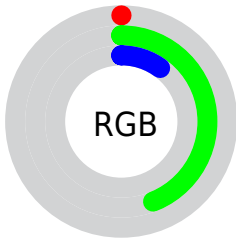
Format	Color
RYB	0, 92, 112
Decimal	28697
CIELab	40.67, -45.51, 38.28
CIELCh	41, 59.471, 139.929
Yxy	11.6585, 0.2914, 0.5692
Android (android.graphics.Color)	4278218777 (0xFF007019)
YUV	68.5940, -21.4918, -60.1569
Hunter-Lab	34.1445, -28.5452, 18.9429

Details

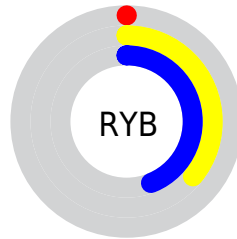
The XYZ color **5.9696, 11.6585, 2.8554** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.4026, 4.1330, 9.3714**, and the grayscale version is **5.6290, 5.9222, 6.4493**.

A 20% lighter version of the original color is **17.6268, 28.9141, 11.3086**, and **1.7226, 3.4452, 0.5742** is the 20% darker color. If you saturate the color by 10%, you get **5.9699, 11.6590, 2.8557**, and if you desaturate by 10%, it is **6.2195, 11.7751, 3.4361**.

Distribution



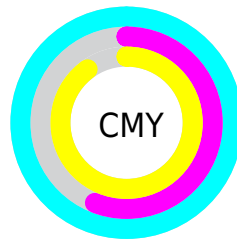
- Red (0%)
- Green (44%)
- Blue (10%)



- Red (0%)
- Yellow (36%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 5.9696, 11.6585, 2.8554 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 5.9696, 11.6585, 2.8554 by changing the saturation by 10% instead.


 5.9696, 11.6585,
2.8554


 5.9696, 11.6585,
2.8554


153.5441,
202.1312, 134.4971


 2.8671, 6.5116,
1.0213


 17.5939, 28.8716,
11.2695


 1.0839, 3.1586,
0.0000

 26.8464, 41.7066,
18.6866


 0.0116, 1.2151,
0.0000

 38.8797, 57.8730,
28.8017

 0.0000, 0.0740,
0.0000


 54.0590, 77.7553,
42.0334


 0.0000, 0.0000,
0.0000


 72.7497, 101.7379,
58.8003


 95.3172, 130.2051,


79.5208


 122.1269,
163.5414, 104.6136


 5.9696, 11.6585,
2.8554


 5.9696, 11.6585,
2.8554


 5.9699, 11.6590,
2.8557

 6.2195, 11.7751,
3.4361

 6.5593, 11.9340,
4.1863

 7.0408, 12.1621,
5.1203

 7.6782, 12.4663,
6.2493

 8.4841, 12.8531,
7.5834

■ 9.4697, 13.3279,
9.1322

■ 10.6451, 13.8958,
10.9046

■ 12.0197, 14.5615,
12.9091

■ 13.6024, 15.3294,
15.1536

Harmonies

Analogous

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



8.5449, 11.6585, 0.9936



5.9696, 11.6585, 2.8554



4.8696, 11.6585, 9.0567

Triad

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



5.9696, 11.6585, 2.8554



9.7251, 11.6585, 51.9277



20.5648, 11.6585, 6.3190

Complementary

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



5.9696, 11.6585, 2.8554



8.4026, 4.1330, 9.3714

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.



21.1133, 11.6585, 17.1944



5.9696, 11.6585, 2.8554



14.0752, 11.6585, 49.3351

Square

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



5.9696, 11.6585, 2.8554



6.6447, 11.6585, 39.9781



18.5005, 11.6585, 34.2268



17.1507, 11.6585, 1.9352

Rectangle

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



5.9696, 11.6585, 2.8554



4.8676, 11.6585, 17.1251



18.5005, 11.6585, 34.2268



21.1186, 11.6585, 9.1021

Sweetspot

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



5.9699, 11.6590, 2.8557



18.5253, 24.3261, 18.8967



9.7938, 13.6506, 2.1186



4.2818, 5.7626, 4.2876



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



5.9699, 11.6590, 2.8557



10.4458, 20.4647, 4.7982



7.2523, 12.1720, 9.6086



3.3728, 3.7743, 3.7692



6.8935, 13.4749, 3.2597



34.0627, 67.0137, 14.7816

Inverse Universe

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



8.4026, 4.1330, 9.3714



14.7139, 7.2416, 16.2161



6.9395, 3.5477, 1.6666



3.4841, 3.4413, 4.0759



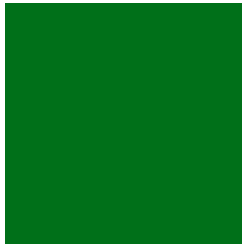
9.7049, 4.7743, 10.7879



48.0103, 23.6494, 51.9798

Previews

White Background



This preview shows how the XYZ color 5.9696, 11.6585, 2.8554 looks on a white background.

Color Contrast Check

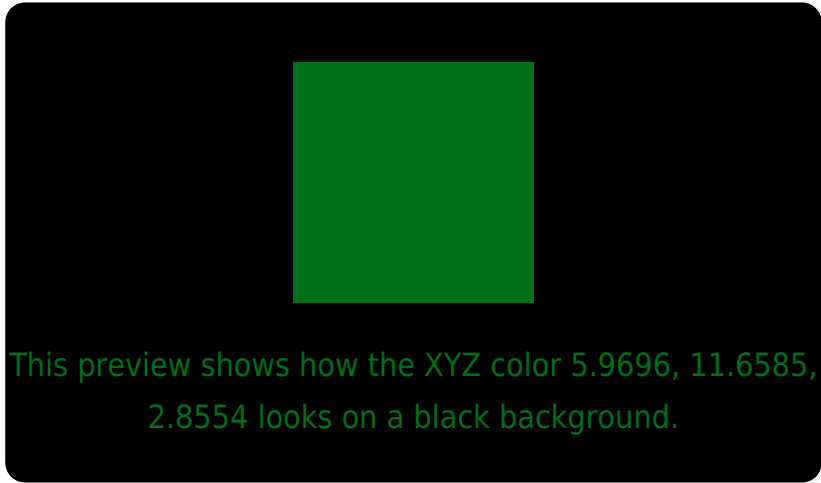
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 5.9696, 11.6585, 2.8554

Background



This preview shows how black text looks on a background with the XYZ color 5.9696, 11.6585, 2.8554.



This preview shows how white text looks on a background with the XYZ color 5.9696, 11.6585,

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

5.9696, 11.6585, 2.8554

Protanopia

10.5026, 11.6080, 2.3965

Deuteranopia

11.7755, 11.5907, 3.1300



Tritanopia

9.0577, 11.6737, 17.3986

Trichromacy



Original Color

5.9696, 11.6585, 2.8554



Protanomaly

7.3504, 10.8259, 2.4613



Deuteranomaly

7.6897, 10.5591, 2.9291



Tritanomaly

7.2496, 11.3707, 9.5972

Monochromacy



Original Color

5.9696, 11.6585, 2.8554



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

4.9298, 7.2895, 4.5153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.9696, 11.6585, 2.8554 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(0, 112, 25)` looks like.

```
.text, #text, p{  
  color:rgb(0, 112, 25)  
}
```

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(0, 112, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 25) }
```

Border

The CSS property to change the border of an element to XYZ 5.9696, 11.6585, 2.8554 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(0, 112, 25) }
```


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

```
.border{ border-color:rgb(0, 112, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 5.9696, 11.6585, 2.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 25) }
```

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

```
.background{ background-color: rgb(0, 112,  
25) }
```

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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