

Converting Colors

XYZ(6.4768, 11.3416, 7.1213)

Have a look what the booklet for
XYZ(6.4768, 11.3416, 7.1213)
contains.

XYZ(6.4818, 11.3425, 7.1579)	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(6.4818, 11.3425,
7.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	006D43
RGB	0, 109, 67
RGB Percent	0%, 43%, 26%
CMY	1.0000, 0.5725, 0.7372
CMYK	1.00, 0.00, 0.39, 0.57
HSL	157°, 100%, 21%
HSV	157°, 100%, 43%
XYZ	6.4818, 11.3425, 7.1579
YIQ	71.6210, -51.4820, -36.1700

Conversions

Conversions Part 2

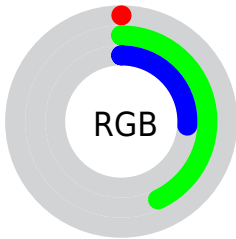
Format	Color
RYB	0, 68, 109
Decimal	27971
CIELab	40.15, -37.75, 16.09
CIELCh	40, 41.041, 156.911
Yxy	11.3425, 0.2595, 0.4540
Android (android.graphics.Color)	4278218051 (0xFF006D43)
YUV	71.6210, -2.2782, -62.8116
Hunter-Lab	33.6786, -24.5834, 10.9738

Details

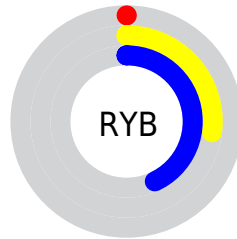
The XYZ color **6.4818, 11.3425, 7.1579** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.7251, 3.4188, 2.4969**, and the grayscale version is **6.1054, 6.4234, 6.9950**.

A 20% lighter version of the original color is **18.5119, 28.1053, 20.6688**, and **1.7705, 3.2936, 1.3530** is the 20% darker color. If you saturate the color by 10%, you get **6.4819, 11.3428, 7.1576**, and if you desaturate by 10%, it is **6.7495, 11.4657, 7.8526**.

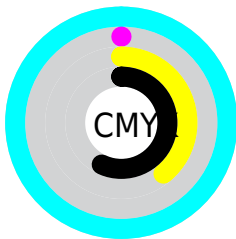
Distribution



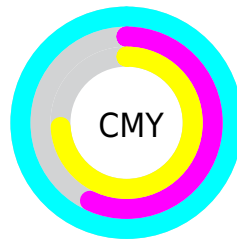
- Red (0%)
- Green (43%)
- Blue (26%)



- Red (0%)
- Yellow (27%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.4818, 11.3425, 7.1579 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 6.4818, 11.3425, 7.1579 by changing the saturation by 10% instead.

6.4818, 11.3425,
7.1579

6.4818, 11.3425,
7.1579

157.9263,
200.0025, 178.6498

3.1836, 6.2977,
3.4811

18.6381, 28.2918,
20.8084

1.2516, 3.0269,
1.3452

28.2269, 40.9651,
31.6192

0.1465, 1.1458,
0.0984

40.6432, 56.9500,
45.6451

0.0000, 0.0168,
0.0000

56.2525, 76.6309,
63.3046

0.0000, 0.0000,
0.0000

75.4201, 100.3922,
85.0163

98.5114, 128.6183,

111.1987

125.8916,
161.6936, 142.2703

6.4818, 11.3425,
7.1579

6.4818, 11.3425,
7.1579

6.4819, 11.3428,
7.1576

6.7495, 11.4657,
7.8526

7.0793, 11.6196,
8.5987

7.5201, 11.8295,
9.3996

8.0834, 12.1015,
10.2569

8.7793, 12.4407,
11.1718

■ 9.6168, 12.8518,
12.1458

■ 10.6041, 13.3389,
13.1799

■ 11.7487, 13.9059,
14.2755

■ 13.0576, 14.5564,
15.4336

Harmonies

Analogous

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



7.8110, 11.3425, 3.5675



6.4818, 11.3425, 7.1579



6.2014, 11.3425, 14.3381

Triad

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



6.4818, 11.3425, 7.1579



11.4542, 11.3425, 35.4247



15.7871, 11.3425, 5.1149

Complementary

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



6.4818, 11.3425, 7.1579



6.7251, 3.4188, 2.4969

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.



17.1930, 11.3425, 10.5548



6.4818, 11.3425, 7.1579



14.4212, 11.3425, 29.6460

Square

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



6.4818, 11.3425, 7.1579



8.7699, 11.3425, 33.1651



16.6535, 11.3425, 19.5901



13.0776, 11.3425, 2.8037

Rectangle

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



6.4818, 11.3425, 7.1579



6.5926, 11.3425, 20.9102



16.6535, 11.3425, 19.5901



16.4478, 11.3425, 6.5179

Sweetspot

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



6.4821, 11.3430, 7.1582



18.8283, 23.8059, 23.4400



6.4908, 11.4644, 1.8710



4.2475, 5.4736, 5.3177



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



6.4821, 11.3430, 7.1582



11.5445, 20.2857, 12.4901



7.1378, 9.8588, 15.9952



3.1348, 3.4731, 3.6936



7.5692, 13.2618, 8.3085



38.1345, 67.4009, 40.0509

Inverse Universe

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



6.7251, 3.4188, 2.4969



11.9834, 6.0979, 4.1634



6.4256, 3.4886, 0.3350



3.1435, 3.1343, 3.4862



7.8540, 3.9937, 2.8600



39.6219, 20.1907, 12.4774

Previews

White Background



This preview shows how the XYZ color 6.4818, 11.3425, 7.1579 looks on a white background.

Color Contrast Check

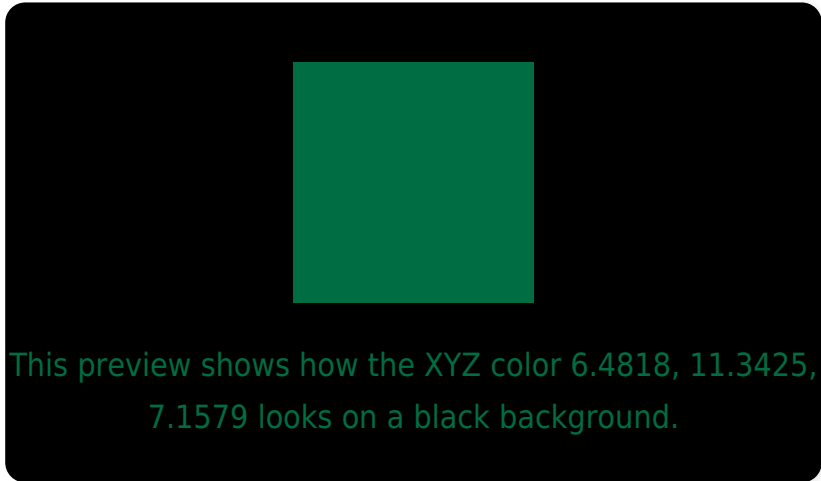
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.4818, 11.3425, 7.1579

Background



This preview shows how black text looks on a background with the XYZ color 6.4818, 11.3425, 7.1579.



This preview shows how white text looks on a background with the XYZ color 6.4818, 11.3425,

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

6.4818, 11.3425, 7.1579

Protanopia

10.4385, 11.2259, 6.0315

Deuteranopia

11.4340, 11.3166, 7.5429



Tritanopia

8.7116, 11.5018, 17.0902

Trichromacy



Original Color

6.4818, 11.3425, 7.1579

Protanomaly

7.6058, 10.4408, 6.3170

Deuteranomaly

8.0717, 10.5172, 7.3989

Tritanomaly

7.6663, 11.3593, 12.8548

Monochromacy



Original Color

6.4818, 11.3425, 7.1579

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

5.4807, 7.5200, 6.9570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4818, 11.3425, 7.1579 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, 109, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 67)  
}
```

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, 109, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 67) }
```

Border

The CSS property to change the border of an element to XYZ 6.4818, 11.3425, 7.1579 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, 109, 67) }
```


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

```
.border{ border-color:rgb(0, 109, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.4818, 11.3425, 7.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 67) }
```

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

```
.background{ background-color: rgb(0, 109,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor