

Converting Colors

XYZ(8.4060, 15.2107, 2.4929)

Have a look what the booklet for
XYZ(8.4060, 15.2107, 2.4929)
contains.

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Color

**XYZ(8.4158, 15.2251,
2.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7D00
RGB	45, 125, 0
RGB Percent	18%, 49%, 0%
CMY	0.8235, 0.5098, 1.0000
CMYK	0.64, 0.00, 1.00, 0.51
HSL	98°, 100%, 25%
HSV	98°, 100%, 49%
XYZ	8.4158, 15.2251, 2.4952
YIQ	86.8300, -7.5550, -55.8350

Conversions

Conversions Part 2

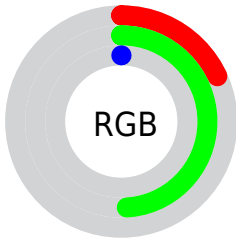
Format	Color
RYB	0, 125, 80
Decimal	2981120
CIELab	45.94, -44.13, 49.99
CIELCh	46, 66.680, 131.441
Yxy	15.2251, 0.3220, 0.5825
Android (android.graphics.Color)	4281171200 (0xFF2D7D00)
YUV	86.8300, -42.8072, -36.6849
Hunter-Lab	39.0194, -29.7845, 23.5221

Details

The XYZ color **8.4158, 15.2251, 2.4952** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.0111, 3.1869, 19.6484**, and the grayscale version is **9.1134, 9.5880, 10.4413**.

A 20% lighter version of the original color is **22.2971, 35.0245, 10.2878**, and **2.5161, 5.0322, 0.8387** is the 20% darker color. If you saturate the color by 10%, you get **8.4159, 15.2256, 2.4953**, and if you desaturate by 10%, it is **8.8717, 15.4526, 2.8794**.

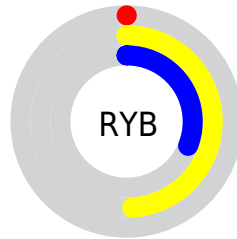
Distribution



Red (18%)

Green (49%)

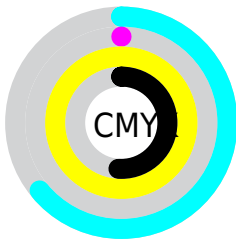
Blue (0%)



Red (0%)

Yellow (49%)

Blue (31%)

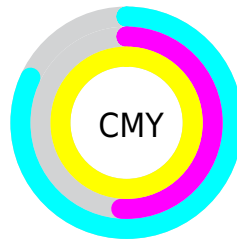


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (82%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4158, 15.2251, 2.4952 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 8.4158, 15.2251, 2.4952 by changing the saturation by 10% instead.

■ 8.4158, 15.2251,
2.4952

■ 8.4158, 15.2251,
2.4952

173.2589,
224.7247, 129.6460

■ 4.4162, 8.9775,
0.8376

■ 22.4473, 35.2476,
10.3551

■ 1.9402, 4.7265,
0.0000

■ 33.2099, 49.7913,
17.4000

■ 0.6000, 2.0877,
0.0000

■ 46.9576, 67.8691,
27.0795

■ 0.0000, 0.6577,
0.0000


■ 64.0557, 89.8656,
39.8122


■ 0.0000, 0.0000,
0.0000


■ 84.8695, 116.1649,
56.0167


■ 109.7644,


147.1516, 76.1115


 139.1057,
183.2101, 100.5151


 8.4158, 15.2251,
2.4952


 8.4158, 15.2251,
2.4952


 8.4159, 15.2256,
2.4953

 8.8717, 15.4526,
2.8794

 9.4340, 15.7302,
3.4592

 10.1303, 16.0699,
4.3604

 10.9707, 16.4761,
5.6207

 11.9642, 16.9527,
7.2728

■ 13.1190, 17.5034,
9.3455

■ 14.4426, 18.1314,
11.8650

■ 15.9421, 18.8398,
14.8555

■ 17.6242, 19.6315,
18.3392

Harmonies

Analogous

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



12.4252, 15.2251, 0.9685



8.4158, 15.2251, 2.4952



6.4339, 15.2251, 8.5281

Triad

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



8.4158, 15.2251, 2.4952



11.2870, 15.2251, 66.8766



27.9117, 15.2251, 11.1496

Complementary

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



8.4158, 15.2251, 2.4952



7.0111, 3.1869, 19.6484

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.



27.3753, 15.2251, 28.5553



8.4158, 15.2251, 2.4952



16.7299, 15.2251, 69.4375

Square

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



8.4158, 15.2251, 2.4952



7.7698, 15.2251, 46.7917



22.8985, 15.2251, 52.4509



24.2157, 15.2251, 3.3489

Rectangle

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



8.4158, 15.2251, 2.4952



6.1129, 15.2251, 17.3705



22.8985, 15.2251, 52.4509



28.2415, 15.2251, 15.8091

Sweetspot

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



8.4162, 15.2257, 2.4955



25.6780, 32.3803, 20.8880



11.2662, 9.9769, 1.3322



5.6491, 7.2745, 4.3817



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.4162, 15.2257, 2.4955



14.9212, 27.1875, 4.4613



7.4327, 14.7074, 2.9641



4.4108, 4.8882, 4.6312



8.7760, 15.8866, 2.6039



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0111, 3.1869, 19.6484



12.3909, 5.6220, 35.1764



11.1826, 5.4502, 14.7441



4.3527, 4.3374, 5.4211



7.3090, 3.3216, 20.5059



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.4158, 15.2251, 2.4952 looks on a white background.

Color Contrast Check

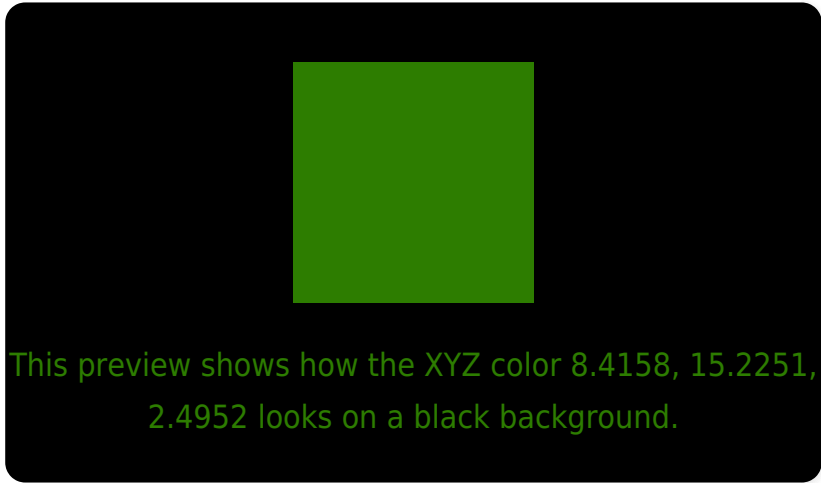
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.4158, 15.2251, 2.4952

Background



This preview shows how black text looks on a background with the XYZ color 8.4158, 15.2251, 2.4952.



This preview shows how white text looks on a background with the XYZ color 8.4158, 15.2251,

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

8.4158, 15.2251, 2.4952

Protanopia

13.4947, 15.0749, 2.1985

Deuteranopia

15.1900, 15.0093, 3.0738



Tritanopia

12.3260, 15.1904, 22.0211

Trichromacy



Original Color

8.4158, 15.2251, 2.4952

Protanomaly

10.7468, 14.6412, 2.2596

Deuteranomaly

11.3791, 14.2929, 2.6894

Tritanomaly

9.8484, 14.7026, 9.9082

Monochromacy



Original Color

8.4158, 15.2251, 2.4952

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.0158, 10.9609, 5.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4158, 15.2251, 2.4952 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(45, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 125, 0)  
}
```

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(45, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.4158, 15.2251, 2.4952 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(45, 125, 0) }
```


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

```
.border{ border-color:rgb(45, 125, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 125, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 125, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4158, 15.2251, 2.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 125, 0) }
```

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

```
.background{ background-color: rgb(45, 125,  
0) }
```

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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