

Converting Colors

XYZ(8.2628, 14.7745, 2.4166)

Have a look what the booklet for
XYZ(8.2628, 14.7745, 2.4166)
contains.

XYZ(8.2552, 14.7703, 2.4158)	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(8.2552, 14.7703,
2.4158)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7B00
RGB	47, 123, 0
RGB Percent	18%, 48%, 0%
CMY	0.8157, 0.5176, 1.0000
CMYK	0.62, 0.00, 1.00, 0.52
HSL	97°, 100%, 24%
HSV	97°, 100%, 48%
XYZ	8.2552, 14.7703, 2.4158
YIQ	86.2540, -5.8130, -54.3650

Conversions

Conversions Part 2

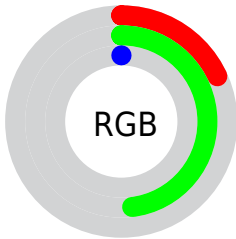
Format	Color
RYB	0, 123, 76
Decimal	3111680
CIELab	45.32, -42.87, 49.52
CIELCh	45, 65.502, 130.884
Yxy	14.7703, 0.3245, 0.5806
Android (android.graphics.Color)	4281301760 (0xFF2F7B00)
YUV	86.2540, -42.5232, -34.4258
Hunter-Lab	38.4321, -28.9146, 23.1756

Details

The XYZ color **8.2552, 14.7703, 2.4158** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.5567, 2.9672, 18.9670**, and the grayscale version is **8.9885, 9.4566, 10.2982**.

A 20% lighter version of the original color is **22.1315, 34.3526, 10.1669**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **8.2553, 14.7708, 2.4160**, and if you desaturate by 10%, it is **8.7052, 14.9949, 2.7932**.

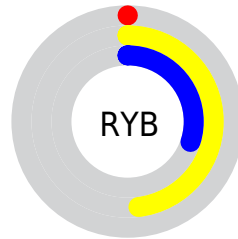
Distribution



Red (18%)

Green (48%)

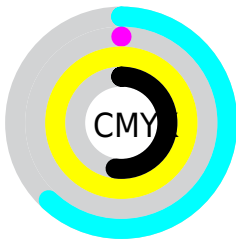
Blue (0%)



Red (0%)

Yellow (48%)

Blue (30%)

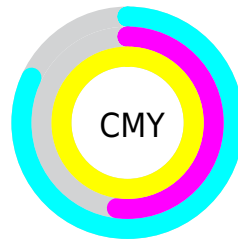


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (82%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.2552, 14.7703, 2.4158 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 8.2552, 14.7703, 2.4158 by changing the saturation by 10% instead.

■ 8.2552, 14.7703,
2.4158

■ 8.2552, 14.7703,
2.4158

172.0476,
221.9717, 128.5317

■ 4.3119, 8.6583,
0.7950

■ 22.1379, 34.4497,
10.1492

■ 1.8800, 4.5190,
0.0000

■ 32.8080, 48.7859,
17.1087

■ 0.5652, 1.9679,
0.0000

■ 46.4510, 66.6324,
26.6880

■ 0.0000, 0.5887,
0.0000

■ 63.4323, 88.3735,
39.3057


■ 0.0000, 0.0000,
0.0000


■ 84.1172, 114.3935,
55.3804


■ 108.8712,


145.0770, 75.3306


 138.0596,
180.8082, 99.5749


 8.2552, 14.7703,
2.4158


 8.2552, 14.7703,
2.4158


 8.2553, 14.7708,
2.4160

 8.7052, 14.9949,
2.7932

 9.2537, 15.2657,
3.3565

 9.9272, 15.5943,
4.2294

 10.7351, 15.9847,
5.4482

 11.6859, 16.4404,
7.0443

■ 12.7870, 16.9649,
9.0452

■ 14.0455, 17.5612,
11.4763

■ 15.4679, 18.2321,
14.3604

■ 17.0602, 18.9803,
17.7192

Harmonies

Analogous

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



12.1586, 14.7703, 0.9656



8.2552, 14.7703, 2.4158



6.3057, 14.7703, 8.1451

Triad

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



8.2552, 14.7703, 2.4158



10.8906, 14.7703, 64.0878



26.9855, 14.7703, 11.0724

Complementary

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



8.2552, 14.7703, 2.4158



6.5567, 2.9672, 18.9670

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.



26.3905, 14.7703, 27.9919



8.2552, 14.7703, 2.4158



16.1033, 14.7703, 66.9198

Square

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



8.2552, 14.7703, 2.4158



7.5337, 14.7703, 44.6554



22.0387, 14.7703, 50.9212



23.5008, 14.7703, 3.3785

Rectangle

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



8.2552, 14.7703, 2.4158



5.9748, 14.7703, 16.5482



22.0387, 14.7703, 50.9212



27.2749, 14.7703, 15.6253

Sweetspot

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



8.2555, 14.7709, 2.4161



24.9735, 31.3624, 20.1997



10.7432, 9.3600, 1.2406



5.6907, 7.2959, 4.3837



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.



8.2555, 14.7709, 2.4161



14.6316, 26.3717, 4.3191



7.1651, 14.1993, 2.7913



4.0822, 4.5177, 4.2813



8.5339, 15.2766, 2.4989



39.8234, 72.4151, 11.8786

Inverse Universe

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



6.5567, 2.9672, 18.9670



11.5776, 5.2289, 33.9557



10.9105, 5.3080, 14.8198



4.0131, 4.0047, 5.0046



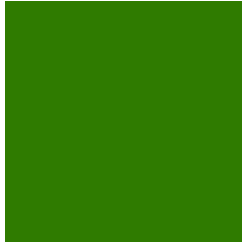
6.7762, 3.0660, 19.6199



31.3522, 14.1247, 93.5437

Previews

White Background



This preview shows how the XYZ color 8.2552, 14.7703, 2.4158 looks on a white background.

Color Contrast Check

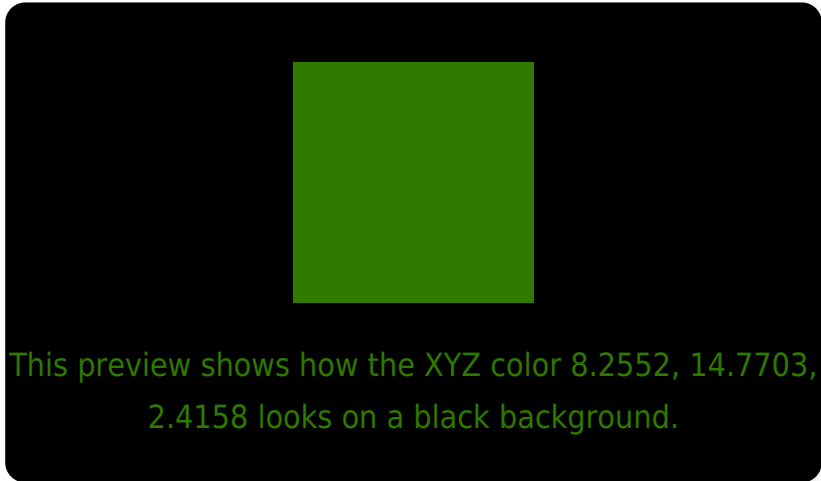
Large Text (above 18pt) WCAG AA ✓ Pass

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

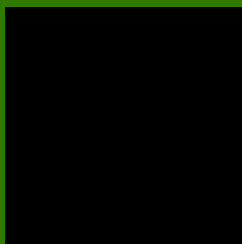
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.2552, 14.7703, 2.4158

Background



This preview shows how black text looks on a background with the XYZ color 8.2552, 14.7703, 2.4158.



This preview shows how white text looks on a background with the XYZ color 8.2552, 14.7703,

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

8.2552, 14.7703, 2.4158

Protanopia

13.1429, 14.5803, 2.1216

Deuteranopia

14.6716, 14.4503, 2.9932



Tritanopia

12.0393, 14.7188, 21.2753

Trichromacy



Original Color

8.2552, 14.7703, 2.4158

Protanomaly

10.5212, 14.1899, 2.1844

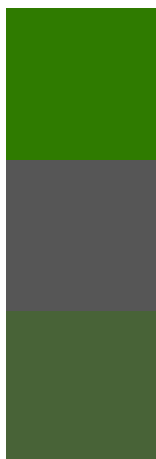
Deuteranomaly

11.0493, 13.8025, 2.6121

Tritanomaly

9.6361, 14.2478, 9.6394

Monochromacy



Original Color

8.2552, 14.7703, 2.4158

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

7.8239, 10.5772, 5.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2552, 14.7703, 2.4158 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(47, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 123, 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(47, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.2552, 14.7703, 2.4158 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(47, 123, 0) }
```


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

```
.border{ border-color:rgb(47, 123, 0) }
```

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

Here you see how a box with a 4 pixel rgb(47, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 123, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.2552, 14.7703, 2.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 123, 0) }
```

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

```
.background{ background-color: rgb(47, 123,  
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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