

Converting Colors

XYZ(24.3475, 29.3589, 16.7731)

Have a look what the booklet for
XYZ(24.3475, 29.3589, 16.7731)
contains.

XYZ(24.3858, 29.4541, 16.7119)	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(24.3858, 29.4541,
16.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9A65
RGB	138, 154, 101
RGB Percent	54%, 60%, 40%
CMY	0.4588, 0.3961, 0.6039
CMYK	0.10, 0.00, 0.34, 0.40
HSL	78°, 21%, 50%
HSV	78°, 34%, 60%
XYZ	24.3858, 29.4541, 16.7119
YIQ	143.1740, 7.4770, -19.8750

Conversions

Conversions Part 2

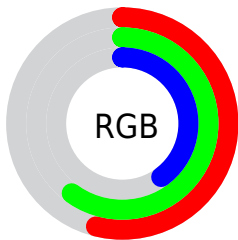
Format	Color
R_{YB}	101, 154, 117
Decimal	9083493
CIE _{Lab}	61.18, -14.96, 25.99
CIE _{LCh}	61, 29.985, 119.928
Yxy	29.4541, 0.3456, 0.4175
Android (android.graphics.Color)	4287273573 (0xFF8A9A65)
YUV	143.1740, -20.7918, -4.5376
Hunter-Lab	54.2716, -14.7702, 19.7329

Details

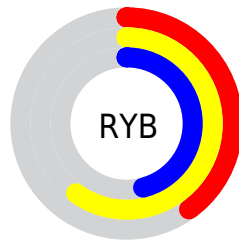
The XYZ color **24.3858, 29.4541, 16.7119** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.8238, 15.4232, 32.6111**, and the grayscale version is **26.2570, 27.6244, 30.0830**.

A 20% lighter version of the original color is **49.9616, 58.5852, 38.3806**, and **9.4233, 11.9838, 5.1846** is the 20% darker color. If you saturate the color by 10%, you get **22.9482, 28.7931, 13.0682**, and if you desaturate by 10%, it is **25.9993, 30.1913, 21.1031**.

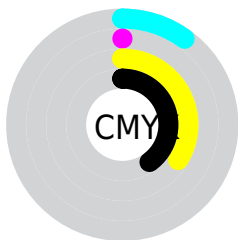
Distribution



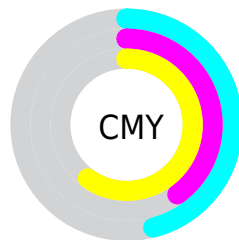
- Red (54%)
- Green (60%)
- Blue (40%)



- Red (40%)
- Yellow (60%)
- Blue (46%)



- Cyan (10%)
- Magenta (0%)
- Yellow (34%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3858, 29.4541, 16.7119 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 24.3858, 29.4541, 16.7119 by changing the saturation by 10% instead.

■ 24.3858, 29.4541,
16.7119

■ 24.3858, 29.4541,
16.7119

267.1696,
299.3515, 245.4941

■ 15.7463, 19.4246,
9.8695

■ 50.1091, 58.7978,
38.6136

■ 9.4345, 11.9775,
5.2081

■ 67.9237, 78.8808,
54.5100

■ 5.0851, 6.7284,
2.3090

■ 89.5274, 103.0837,
74.2615

■ 2.3325, 3.2928,
0.7362

■ 115.2856,
131.7910, 98.2866

■ 0.8112, 1.2864,
0.0000

145.5635,
165.3870, 127.0039

■ 0.0000, 0.1307,
0.0000

180.7266,

■ 0.0000, 0.0000,

204.2562, 160.8319

0.0000

221.1402,
248.7829, 200.1891

■ 24.3858, 29.4541,
16.7119

■ 24.3858, 29.4541,
16.7119

■ 22.9482, 28.7931,
13.0682

■ 25.9993, 30.1913,
21.1031

■ 21.6758, 28.2009,
10.1286

■ 27.7942, 31.0039,
26.2785

■ 20.5604, 27.6752,
7.8476


■ 29.7783, 31.8961,
32.2744


■ 19.5918, 27.2119,
6.1742


■ 31.9584, 32.8706,
39.1246


■ 18.7584, 26.8063,
5.0496


■ 34.3410, 33.9301,
46.8607


 18.0461, 26.4527,
4.4017

 36.9321, 35.0771,
55.5128

 17.6803, 26.2696,
4.1387

 39.7376, 36.3139,
65.1097

 42.7630, 37.6427,
75.6787

 46.0136, 39.0658,
87.2463

Harmonies

Analogous

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



28.0048, 29.4541, 14.9089



24.3858, 29.4541, 16.7119



21.9419, 29.4541, 22.3873

Triad

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



24.3858, 29.4541, 16.7119



24.3707, 29.4541, 54.7286



36.2681, 29.4541, 32.0979

Complementary

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



24.3858, 29.4541, 16.7119



17.8238, 15.4232, 32.6111

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.



35.0706, 29.4541, 44.2070



24.3858, 29.4541, 16.7119



27.9857, 29.4541, 59.0026

Square

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



24.3858, 29.4541, 16.7119



21.9338, 29.4541, 44.1483



31.9443, 29.4541, 54.7677



35.0817, 29.4541, 22.4247

Rectangle

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



24.3858, 29.4541, 16.7119



21.1838, 29.4541, 28.4263



31.9443, 29.4541, 54.7677



36.1296, 29.4541, 36.0135

Sweetspot

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



24.3865, 29.4554, 16.7125



51.9642, 56.9832, 52.1404



22.0262, 20.5099, 15.1103



11.6565, 12.8505, 11.4854



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.



24.3865, 29.4554, 16.7125



42.3330, 52.6016, 25.3292



20.5369, 27.4708, 16.5324



6.5272, 7.1293, 6.6379



14.4411, 21.4205, 3.3735



0.2522, 0.3389, 0.0521

Inverse Universe

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



17.8238, 15.4232, 32.6111



28.6411, 23.3084, 58.5257



21.8846, 17.5167, 32.8012



6.0511, 6.1122, 7.7898



5.7212, 2.4004, 25.0695



0.1192, 0.0533, 0.3764

Previews

White Background



This preview shows how the XYZ color 24.3858, 29.4541, 16.7119 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 24.3858, 29.4541, 16.7119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

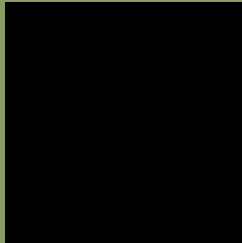
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3858, 29.4541, 16.7119

Background



This preview shows how black text looks on a background with the XYZ color 24.3858, 29.4541, 16.7119.



This preview shows how white text looks on a background with the XYZ color 24.3858, 29.4541,

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

24.3858, 29.4541, 16.7119

Protanopia

27.1355, 29.2229, 15.7657

Deuteranopia

29.7028, 29.1632, 17.1603



Tritanopia

28.4593, 29.4471, 36.5316

Trichromacy



Original Color

24.3858, 29.4541, 16.7119

Protanomaly

26.1074, 29.3889, 16.1010

Deuteranomaly

27.6274, 29.2184, 17.0156

Tritanomaly

26.7494, 29.4585, 27.9431

Monochromacy



Original Color

24.3858, 29.4541, 16.7119

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.3145, 28.0887, 24.5095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3858, 29.4541, 16.7119 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(138, 154, 101)` looks like.

```
.text, #text, p{  
    color:rgb(138, 154, 101)  
}
```

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(138, 154, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 154, 101) }
```

Border

The CSS property to change the border of an element to XYZ 24.3858, 29.4541, 16.7119 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(138, 154, 101) }
```


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

```
.border{ border-color:rgb(138, 154, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 154, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 154, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 154, 101);  
box-shadow:4px 4px 4px 4px rgb(138, 154,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3858, 29.4541, 16.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 154, 101) }
```

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

```
.background{ background-color: rgb(138,  
154, 101) }
```

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