

Converting Colors

XYZ(25.3857, 32.1254, 16.6210)

Have a look what the booklet for
XYZ(25.3857, 32.1254, 16.6210)
contains.

XYZ(25.3258, 31.9758, 16.6415)	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(25.3258, 31.9758,
16.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	88A263
RGB	136, 162, 99
RGB Percent	53%, 64%, 39%
CMY	0.4667, 0.3647, 0.6118
CMYK	0.16, 0.00, 0.39, 0.36
HSL	85°, 25%, 51%
HSV	85°, 39%, 64%
XYZ	25.3258, 31.9758, 16.6415
YIQ	147.0440, 4.7270, -25.1050

Conversions

Conversions Part 2

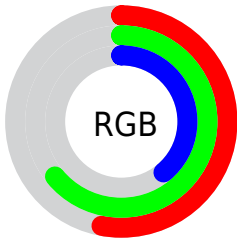
Format	Color
RYB	99, 162, 125
Decimal	8954467
CIELab	63.32, -20.16, 29.83
CIELCh	63, 36.007, 124.056
Yxy	31.9758, 0.3425, 0.4324
Android (android.graphics.Color)	4287144547 (0xFF88A263)
YUV	147.0440, -23.6857, -9.6856
Hunter-Lab	56.5471, -19.0126, 22.1343

Details

The XYZ color **25.3258, 31.9758, 16.6415** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4422, 15.8932, 36.2273**, and the grayscale version is **27.8456, 29.2957, 31.9031**.

A 20% lighter version of the original color is **51.6340, 62.8072, 38.6798**, and **9.9198, 13.3222, 5.1806** is the 20% darker color. If you saturate the color by 10%, you get **23.5756, 31.1553, 12.9145**, and if you desaturate by 10%, it is **27.3007, 32.8963, 21.1914**.

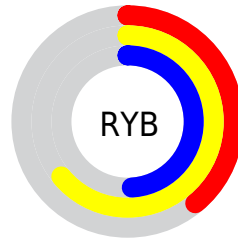
Distribution



Red (53%)

Green (64%)

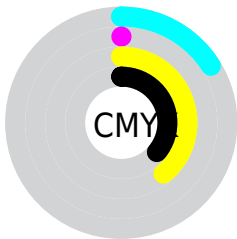
Blue (39%)



Red (39%)

Yellow (64%)

Blue (49%)

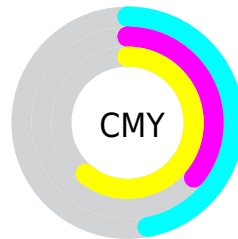


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3258, 31.9758, 16.6415 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 25.3258, 31.9758, 16.6415 by changing the saturation by 10% instead.


 25.3258, 31.9758,
16.6415


 25.3258, 31.9758,
16.6415


271.7744,
311.0090, 245.0715


 16.4500, 21.3430,
9.8200


 51.6244, 62.7731,
38.4905


 9.9360, 13.3750,
5.1757


 69.7778, 83.7065,
54.3551

 5.4185, 7.6873,
2.2902


 91.7545, 108.8422,
74.0711

 2.5321, 3.8955,
0.7257

 117.9199,
138.5645, 98.0571

 0.9115, 1.6153,
0.0000

148.6392,
173.2580, 126.7316

 0.0000, 0.3679,
0.0000

184.2778,

 0.0000, 0.0000,

213.3070, 160.5131

0.0000

225.2011,
259.0959, 199.8202

■ 25.3258, 31.9758,
16.6415

■ 25.3258, 31.9758,
16.6415

■ 23.5756, 31.1553,
12.9145

■ 27.3007, 32.8963,
21.1914

■ 22.0373, 30.4260,
9.9590

■ 29.5078, 33.9164,
26.6074

■ 20.6999, 29.7847,
7.7211


■ 31.9569, 35.0416,
32.9319


■ 19.5506, 29.2260,
6.1393


■ 34.6566, 36.2751,
40.2041


■ 18.5742, 28.7438,
5.1414


■ 37.6150, 37.6206,
48.4610


 17.7421, 28.3263,
4.5841

 40.8398, 39.0810,
57.7374

 17.6546, 28.2823,
4.5285

 44.3383, 40.6596,
68.0665

 48.1177, 42.3592,
79.4800

 52.1846, 44.1827,
92.0082

Harmonies

Analogous

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



29.7179, 31.9758, 13.9590



25.3258, 31.9758, 16.6415



22.5496, 31.9758, 24.1180

Triad

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



25.3258, 31.9758, 16.6415



26.3818, 31.9758, 65.8605



41.0113, 31.9758, 32.9072

Complementary

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



25.3258, 31.9758, 16.6415



19.4422, 15.8932, 36.2273

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.



39.8698, 31.9758, 48.2859



25.3258, 31.9758, 16.6415



31.0763, 31.9758, 70.0811

Square

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



25.3258, 31.9758, 16.6415



23.1108, 31.9758, 52.5980



36.0925, 31.9758, 62.9300



39.0615, 31.9758, 21.5754

Rectangle

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



25.3258, 31.9758, 16.6415



21.8071, 31.9758, 32.0454



36.0925, 31.9758, 62.9300



40.9777, 31.9758, 37.7423

Sweetspot

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



25.3266, 31.9772, 16.6422



56.4782, 62.9087, 55.7608



24.3864, 23.0488, 14.9684



12.5614, 14.0724, 12.2037



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



25.3266, 31.9772, 16.6422



43.0962, 56.6981, 24.0526



21.0345, 29.7645, 16.4413



7.3654, 8.0908, 7.5536



13.9578, 22.3060, 3.5698



0.3451, 0.4954, 0.0774

Inverse Universe

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



19.4422, 15.8932, 36.2273



30.8338, 23.1577, 64.9009



24.6370, 18.5712, 36.4704



6.9645, 6.9960, 8.8864



7.0009, 3.0156, 27.1429



0.2002, 0.0907, 0.5728

Previews

White Background



This preview shows how the XYZ color 25.3258, 31.9758, 16.6415 looks on a white background.

Color Contrast Check

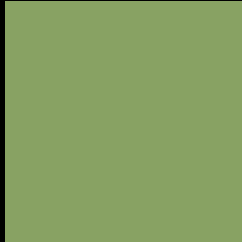
Large Text (above 18pt) WCAG AA × Fail

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 25.3258, 31.9758, 16.6415 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 ✓ Pass

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

XYZ 25.3258, 31.9758, 16.6415

Background



This preview shows how black text looks on a background with the XYZ color 25.3258, 31.9758, 16.6415.



This preview shows how white text looks on a background with the XYZ color 25.3258, 31.9758,

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

25.3258, 31.9758, 16.6415

Protanopia

29.3931, 31.8242, 15.4200

Deuteranopia

32.2555, 31.6043, 17.2322



Tritanopia

30.1156, 31.8841, 40.6434

Trichromacy



Original Color

25.3258, 31.9758, 16.6415

Protanomaly

27.7101, 31.6894, 15.7225

Deuteranomaly

29.3524, 31.5228, 17.1078

Tritanomaly

28.0948, 31.8177, 30.2519

Monochromacy



Original Color

25.3258, 31.9758, 16.6415

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.5852, 29.9078, 25.4907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3258, 31.9758, 16.6415 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(136, 162, 99)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 99)  
}
```

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(136, 162, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 99) }
```

Border

The CSS property to change the border of an element to XYZ 25.3258, 31.9758, 16.6415 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(136, 162, 99) }
```


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

```
.border{ border-color:rgb(136, 162, 99) }
```

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

Here you see how a box with a 4 pixel rgb(136, 162, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 99);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3258, 31.9758, 16.6415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 99) }
```

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

```
.background{ background-color: rgb(136,  
162, 99) }
```

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