

Converting Colors

XYZ(16.8003, 25.5643, 15.4902)

Have a look what the booklet for
XYZ(16.8003, 25.5643, 15.4902)
contains.

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Color

**XYZ(16.8208, 25.5708,
15.6044)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9A62
RGB	77, 154, 98
RGB Percent	30%, 60%, 38%
CMY	0.6980, 0.3961, 0.6157
CMYK	0.50, 0.00, 0.36, 0.40
HSL	136°, 33%, 45%
HSV	136°, 50%, 60%
XYZ	16.8208, 25.5708, 15.6044
YIQ	124.5930, -27.9160, -33.7400

Conversions

Conversions Part 2

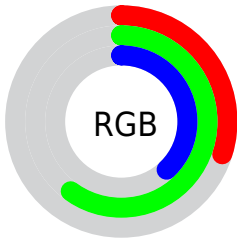
Format	Color
RYB	77, 138, 154
Decimal	5085794
CIELab	57.63, -36.64, 22.28
CIElCh	58, 42.883, 148.696
Yxy	25.5708, 0.2900, 0.4409
Android (android.graphics.Color)	4283275874 (0xFF4D9A62)
YUV	124.5930, -13.1103, -41.7391
Hunter-Lab	50.5676, -29.1170, 17.1013

Details

The XYZ color **16.8208, 25.5708, 15.6044** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.2148, 13.8718, 23.8034**, and the grayscale version is **19.4062, 20.4168, 22.2339**.

A 20% lighter version of the original color is **37.5854, 52.5961, 36.6049**, and **5.5984, 9.8704, 4.7421** is the 20% darker color. If you saturate the color by 10%, you get **15.2300, 24.8083, 12.9601**, and if you desaturate by 10%, it is **18.7812, 26.5167, 18.6534**.

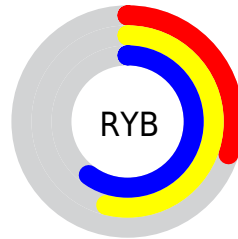
Distribution



Red (30%)

Green (60%)

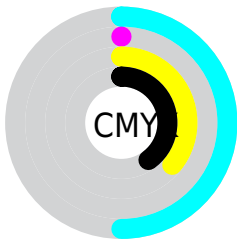
Blue (38%)



Red (30%)

Yellow (54%)

Blue (60%)

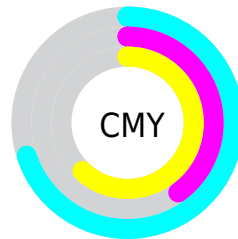


Cyan (50%)

Magenta (0%)

Yellow (36%)

Black (40%)



Cyan (70%)

Magenta (40%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8208, 25.5708, 15.6044 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 16.8208, 25.5708, 15.6044 by changing the saturation by 10% instead.

■ 16.8208, 25.5708,
15.6044

■ 16.8208, 25.5708,
15.6044

227.3140,
280.6688, 238.7614

■ 10.2013, 16.5028,
9.0933

■ 37.5635, 52.5817,
36.6672

■ 5.5959, 9.8807,
4.7045

■ 52.4174, 71.2935,
52.0561

■ 2.6393, 5.3199,
2.0192

■ 70.7468, 93.9886,
71.2413

■ 0.9660, 2.4362,
0.5671

■ 92.9171, 121.0515,
94.6414

■ 0.0000, 0.8444,
0.0000

■ 119.2936,
152.8666, 122.6749

■ 0.0000, 0.0000,
0.0000

150.2417,

189.8182, 155.7604

186.1267,
232.2908, 194.3163

■ 16.8208, 25.5708,
15.6044

■ 16.8208, 25.5708,
15.6044

■ 15.2300, 24.8083,
12.9601

■ 18.7812, 26.5167,
18.6534

■ 13.9825, 24.2139,
10.7018

■ 21.1310, 27.6537,
22.1215

■ 13.0520, 23.7751,
8.8117


■ 23.8912, 28.9931,
26.0245


■ 12.4069, 23.4760,
7.2698


■ 27.0803, 30.5442,
30.3767


■ 11.9740, 23.2793,
6.0528


■ 30.7161, 32.3157,
35.1918

 11.9740, 23.2793,
6.0528

 34.8150, 34.3159,
40.4831

 39.3928, 36.5526,
46.2631

 44.4644, 39.0334,
52.5440

 50.0442, 41.7653,
59.3375

Harmonies

Analogous

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



19.8739, 25.5708, 9.7014



16.8208, 25.5708, 15.6044



15.7253, 25.5708, 27.2050

Triad

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



16.8208, 25.5708, 15.6044



24.0807, 25.5708, 66.6501



34.0113, 25.5708, 16.3728

Complementary

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



16.8208, 25.5708, 15.6044



20.2148, 13.8718, 23.8034

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.



35.5444, 25.5708, 28.4894



16.8208, 25.5708, 15.6044



29.3485, 25.5708, 60.6513

Square

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



16.8208, 25.5708, 15.6044



19.5362, 25.5708, 59.5785



33.7315, 25.5708, 45.2265



29.7911, 25.5708, 10.0228

Rectangle

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



16.8208, 25.5708, 15.6044



16.1154, 25.5708, 37.9015



33.7315, 25.5708, 45.2265



34.8821, 25.5708, 19.7418

Sweetspot

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



16.8215, 25.5719, 15.6050



46.0217, 53.9413, 50.8855



22.6428, 28.6728, 11.3625



10.1638, 12.0863, 11.1709



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.



16.8215, 25.5719, 15.6050



27.3605, 44.9188, 23.0120



19.0633, 26.4686, 27.4101



6.1979, 6.9519, 6.9657



9.7685, 18.9709, 5.0018



0.1598, 0.2891, 0.1472

Inverse Universe

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



20.2148, 13.8718, 23.8034



34.2331, 21.1479, 39.5613



18.0451, 13.0040, 12.3779



6.3893, 6.2949, 7.4302



13.2557, 6.5565, 13.1374



0.2131, 0.1040, 0.2751

Previews

White Background



This preview shows how the XYZ color 16.8208, 25.5708, 15.6044 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 16.8208, 25.5708, 15.6044 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 16.8208, 25.5708, 15.6044

Background



This preview shows how black text looks on a background with the XYZ color 16.8208, 25.5708, 15.6044.



This preview shows how white text looks on a background with the XYZ color 16.8208, 25.5708,

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

16.8208, 25.5708, 15.6044

Protanopia

23.3712, 25.3218, 13.5533

Deuteranopia

25.5997, 25.1632, 16.3397



Tritanopia

21.0189, 25.6114, 36.1834

Trichromacy



Original Color

16.8208, 25.5708, 15.6044

Protanomaly

20.1620, 24.9656, 14.3459

Deuteranomaly

21.0871, 24.5210, 15.9335

Tritanomaly

19.2808, 25.6165, 27.2208

Monochromacy



Original Color

16.8208, 25.5708, 15.6044

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.0830, 22.0343, 19.5196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8208, 25.5708, 15.6044 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(77, 154, 98)` looks like.

```
.text, #text, p{  
    color:rgb(77, 154, 98)  
}
```

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(77, 154, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 154, 98) }
```

Border

The CSS property to change the border of an element to XYZ 16.8208, 25.5708, 15.6044 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(77, 154, 98) }
```


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

```
.border{ border-color:rgb(77, 154, 98) }
```

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

Here you see how a box with a 4 pixel rgb(77, 154, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 154, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 154, 98);  
box-shadow:4px 4px 4px 4px rgb(77, 154,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8208, 25.5708, 15.6044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 154, 98) }
```

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

```
.background{ background-color: rgb(77, 154,  
98) }
```

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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