

# Converting Colors

XYZ(25.1096, 32.9925, 18.2728)

Have a look what the booklet for  
XYZ(25.1096, 32.9925, 18.2728)  
contains.

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# Color

**XYZ(25.0370, 32.8611,  
18.1199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80A668
RGB	128, 166, 104
RGB Percent	50%, 65%, 41%
CMY	0.4980, 0.3490, 0.5922
CMYK	0.23, 0.00, 0.37, 0.35
HSL	97°, 26%, 53%
HSV	97°, 37%, 65%
XYZ	25.0370, 32.8611, 18.1199
YIQ	147.5700, -2.7460, -27.3380

# Conversions

## Conversions Part 2

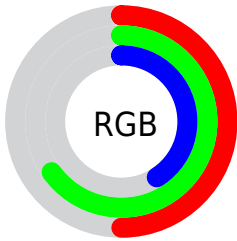
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 166, 142
Decimal	8431208
CIELab	64.05, -24.52, 28.01
CIElCh	64, 37.222, 131.202
Yxy	32.8611, 0.3294, 0.4323
Android (android.graphics.Color)	4286621288 (0xFF80A668)
YUV	147.5700, -21.4800, -17.1629
Hunter-Lab	57.3246, -22.3567, 21.3861

# Details

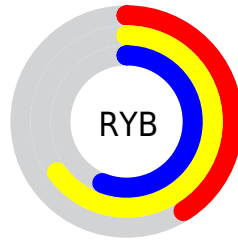
The XYZ color **25.0370, 32.8611, 18.1199** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.9899, 18.4055, 38.4191**, and the grayscale version is **28.0573, 29.5185, 32.1457**.

A 20% lighter version of the original color is **51.1486, 64.0583, 41.1212**, and **9.7917, 13.8979, 5.9079** is the 20% darker color. If you saturate the color by 10%, you get **22.8212, 31.8078, 14.0397**, and if you desaturate by 10%, it is **27.5740, 34.0628, 23.0829**.

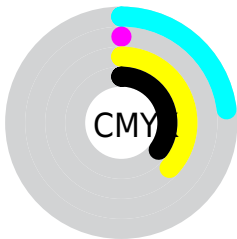
# Distribution



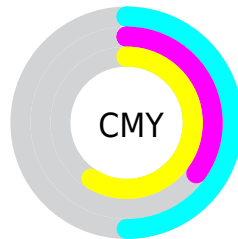
- Red (50%)
- Green (65%)
- Blue (41%)



- Red (41%)
- Yellow (65%)
- Blue (56%)



- Cyan (23%)
- Magenta (0%)
- Yellow (37%)
- Black (35%)




- Cyan (50%)
- Magenta (35%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0370, 32.8611, 18.1199 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 25.0370, 32.8611, 18.1199 by changing the saturation by 10% instead.





 25.0370, 32.8611,  
18.1199

 25.0370, 32.8611,  
18.1199


270.3664,  
315.0234, 253.8048


 16.2335, 22.0201,  
10.8658

 51.1597, 64.1586,  
41.0582


 9.7814, 13.8716,  
5.8636


 69.2096, 85.3839,  
57.5795

 5.3154, 8.0314,  
2.6949


 91.0724, 110.8393,  
78.0269

 2.4701, 4.1151,  
0.9408

 117.1134,  
140.9094, 102.8190

 0.8802, 1.7381,  
0.0000

147.6979,  
175.9784, 132.3743

 0.0000, 0.4482,  
0.0000

183.1913,

 0.0000, 0.0000,

216.4308, 167.1113

0.0000

223.9590,  
262.6510, 207.4486

■ 25.0370, 32.8611,  
18.1199

■ 25.0370, 32.8611,  
18.1199

■ 22.8212, 31.8078,  
14.0397

■ 27.5740, 34.0628,  
23.0829

■ 20.9098, 30.8924,  
10.7886

■ 30.4430, 35.4144,  
28.9742

■ 19.2881, 30.1096,  
8.3099


■ 33.6573, 36.9228,  
35.8387


■ 17.9389, 29.4519,  
6.5394


■ 37.2287, 38.5932,  
43.7175


■ 16.8430, 28.9109,  
5.4021


■ 41.1685, 40.4306,  
52.6498

 15.9724, 28.4750,  
4.7807

 45.4872, 42.4397,  
62.6722

 15.7678, 28.3723,  
4.6454

 50.1952, 44.6248,  
73.8199

 55.3022, 46.9905,  
86.1265

 60.8178, 49.5409,  
99.6240

# Harmonies

## Analogous

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



29.3106, 32.8611, 14.2328



25.0370, 32.8611, 18.1199



22.6084, 32.8611, 27.2391

# Triad

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



25.0370, 32.8611, 18.1199



28.0882, 32.8611, 70.7773



42.2354, 32.8611, 30.4457

# Complementary

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



25.0370, 32.8611, 18.1199



22.9899, 18.4055, 38.4191

# 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.



41.8130, 32.8611, 45.9426



25.0370, 32.8611, 18.1199



33.2387, 32.8611, 72.3529

# Square

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



25.0370, 32.8611, 18.1199



24.2288, 32.8611, 58.4377



38.3763, 32.8611, 62.2798



39.4728, 32.8611, 19.8980



# Rectangle

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



25.0370, 32.8611, 18.1199



22.1783, 32.8611, 36.3909



38.3763, 32.8611, 62.2798



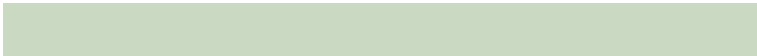
42.4686, 32.8611, 35.1762

# Sweetspot

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



25.0378, 32.8625, 18.1206



58.7578, 65.9186, 60.0247



27.7803, 28.2165, 17.0793



12.9789, 14.6716, 13.0688



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



25.0378, 32.8625, 18.1206



41.9890, 57.9986, 26.5015



22.1715, 31.3471, 19.6916



7.7011, 8.5440, 8.0325



12.2757, 22.0256, 3.6044



0.3561, 0.5655, 0.0904



# Inverse Universe

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



22.9899, 18.4055, 38.4191



37.7036, 27.8243, 68.8587



27.0051, 20.5395, 35.7088



7.5565, 7.5195, 9.4715



9.6176, 4.3415, 28.3066



0.2886, 0.1338, 0.6913



# Previews

## White Background



This preview shows how the XYZ color 25.0370, 32.8611, 18.1199 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 25.0370, 32.8611, 18.1199 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 25.0370, 32.8611, 18.1199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0370, 32.8611, 18.1199.



This preview shows how white text looks on a background with the XYZ color 25.0370, 32.8611,



# 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

25.0370, 32.8611, 18.1199

### Protanopia

30.1700, 32.6876, 16.7758

### Deuteranopia

33.0638, 32.4529, 18.7087



## Tritanopia

30.0588, 32.7973, 43.2743

# Trichromacy



## Original Color

25.0370, 32.8611, 18.1199

## Protanomaly

27.8840, 32.5082, 17.1170

## Deuteranomaly

29.6850, 32.3967, 18.5985

## Tritanomaly

27.8428, 32.6647, 32.4412

# Monochromacy



## Original Color

25.0370, 32.8611, 18.1199

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

26.8707, 30.7714, 26.3530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0370, 32.8611, 18.1199 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(128, 166, 104)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 104)  
}
```

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(128, 166, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0370, 32.8611, 18.1199 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(128, 166, 104) }
```



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

```
.border{ border-color:rgb(128, 166, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 104);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.0370, 32.8611, 18.1199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 104) }
```

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

```
.background{ background-color: rgb(128,  
166, 104) }
```

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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