

# Converting Colors

XYZ(22.3668, 29.1871, 19.7574)

Have a look what the booklet for  
XYZ(22.3668, 29.1871, 19.7574)  
contains.

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# Color

**XYZ(22.3177, 29.0657,  
19.7632)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	759D70
RGB	117, 157, 112
RGB Percent	46%, 62%, 44%
CMY	0.5412, 0.3843, 0.5608
CMYK	0.25, 0.00, 0.29, 0.38
HSL	113°, 19%, 53%
HSV	113°, 29%, 62%
XYZ	22.3177, 29.0657, 19.7632
YIQ	139.9100, -9.3950, -22.4750

# Conversions

## Conversions Part 2

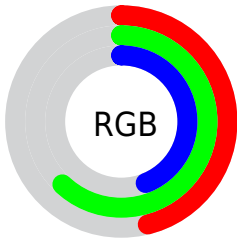
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 157, 152
Decimal	7708016
CIELab	60.84, -22.74, 19.24
CIELCh	61, 29.789, 139.760
Yxy	29.0657, 0.3137, 0.4085
Android (android.graphics.Color)	4285898096 (0xFF759D70)
YUV	139.9100, -13.7596, -20.0921
Hunter-Lab	53.9126, -20.4551, 16.0044

# Details

The XYZ color **22.3177, 29.0657, 19.7632** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.8302, 20.6989, 34.5864**, and the grayscale version is **24.9473, 26.2465, 28.5824**.

A 20% lighter version of the original color is **46.8219, 58.3134, 43.9098**, and **8.2917, 11.6666, 6.6653** is the 20% darker color. If you saturate the color by 10%, you get **19.7814, 27.8514, 15.4724**, and if you desaturate by 10%, it is **25.2876, 30.4876, 24.8712**.

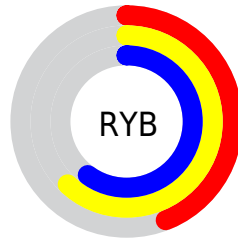
# Distribution



Red (46%)

Green (62%)

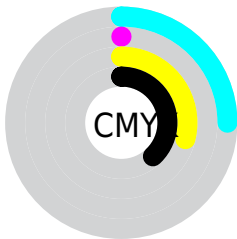
Blue (44%)



Red (44%)

Yellow (62%)

Blue (60%)

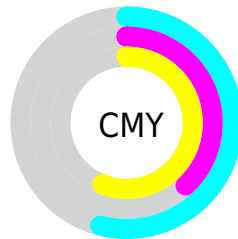


Cyan (25%)

Magenta (0%)

Yellow (29%)

Black (38%)



Cyan (54%)

Magenta (38%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3177, 29.0657, 19.7632 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 22.3177, 29.0657, 19.7632 by changing the saturation by 10% instead.



■ 22.3177, 29.0657,  
19.7632

■ 22.3177, 29.0657,  
19.7632

256.8022,  
297.5248, 263.1920

■ 14.2084, 19.1305,  
12.0407

■ 46.7455, 58.1815,  
43.8736

■ 8.3485, 11.7646,  
6.6485

■ 63.7947, 78.1308,  
61.0985

■ 4.3724, 6.5836,  
3.1682

■ 84.5546, 102.1871,  
82.3279

■ 1.9149, 3.2031,  
1.1811

■ 109.3906,  
130.7345, 107.9804

■ 0.5855, 1.2387,  
0.0000

138.6680,  
164.1576, 138.4745

■ 0.0000, 0.0929,  
0.0000

172.7522,

■ 0.0000, 0.0000,

202.8408, 174.2288

0.0000

212.0085,  
247.1684, 215.6618

■ 22.3177, 29.0657,  
19.7632

■ 22.3177, 29.0657,  
19.7632

■ 19.7814, 27.8514,  
15.4724

■ 25.2876, 30.4876,  
24.8712

■ 17.6561, 26.8314,  
11.9547

■ 28.7078, 32.1223,  
30.8338

■ 15.9208, 25.9968,  
9.1647


■ 32.5966, 33.9795,  
37.6882


■ 14.5515, 25.3362,  
7.0514


■ 36.9711, 36.0669,  
45.4690


■ 13.5215, 24.8373,  
5.5572


■ 41.8471, 38.3922,  
54.2089


 12.8007, 24.4858,  
4.6153


 47.2399, 40.9625,  
63.9390

 12.3436, 24.2613,  
4.0926

 53.1642, 43.7847,  
74.6890

 12.2967, 24.2384,  
4.0304

 59.6338, 46.8655,  
86.4873

 66.6624, 50.2112,  
99.3614

# Harmonies

## Analogous

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



25.1818, 29.0657, 15.5083



22.3177, 29.0657, 19.7632



20.9208, 29.0657, 28.0023

# Triad

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



22.3177, 29.0657, 19.7632



26.3221, 29.0657, 57.6469



35.2518, 29.0657, 24.9649

# Complementary

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



22.3177, 29.0657, 19.7632



24.8302, 20.6989, 34.5864

# 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.



35.6299, 29.0657, 35.5962



22.3177, 29.0657, 19.7632



30.2236, 29.0657, 56.2899

# Square

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



22.3177, 29.0657, 19.7632



23.0852, 29.0657, 50.9007



33.7158, 29.0657, 47.5382



32.7265, 29.0657, 17.9886



# Rectangle

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



22.3177, 29.0657, 19.7632



20.9118, 29.0657, 35.4064



33.7158, 29.0657, 47.5382



35.6427, 29.0657, 28.1647

# Sweetspot

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



22.3185, 29.0669, 19.7638



51.0777, 57.3663, 54.6347



28.0182, 30.7148, 19.7815



11.0465, 12.5310, 11.6843



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.



22.3185, 29.0669, 19.7638



37.1553, 50.7062, 30.6180



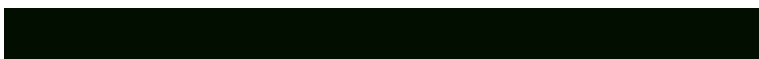
22.7191, 29.1516, 25.2863



6.6158, 7.4346, 7.0720



10.0038, 19.6939, 3.2740



0.1964, 0.3612, 0.0594



# Inverse Universe

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



24.8302, 20.6989, 34.5864



42.3547, 33.3627, 61.3340



24.4150, 20.6433, 27.4132



6.8316, 6.7172, 8.3432



13.6858, 6.4843, 26.4375



0.2633, 0.1256, 0.4736



# Previews

## White Background



This preview shows how the XYZ color 22.3177, 29.0657, 19.7632 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 22.3177, 29.0657, 19.7632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

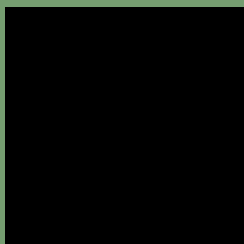
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

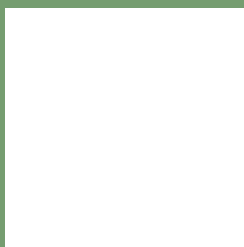
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 22.3177, 29.0657, 19.7632**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.3177, 29.0657, 19.7632.



This preview shows how white text looks on a background with the XYZ color 22.3177, 29.0657,



# 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

22.3177, 29.0657, 19.7632

### Protanopia

26.8374, 28.7874, 18.0520

### Deuteranopia

29.3251, 28.6750, 20.5122



## Tritanopia

26.1214, 28.8927, 38.8504

# Trichromacy



## Original Color

22.3177, 29.0657, 19.7632

## Protanomaly

24.8220, 28.6676, 18.6931

## Deuteranomaly

26.1359, 28.3749, 20.3190

## Tritanomaly

24.5937, 29.0070, 30.6883

# Monochromacy



## Original Color

22.3177, 29.0657, 19.7632

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

23.8239, 27.0750, 25.0894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.3177, 29.0657, 19.7632 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(117, 157, 112)` looks like.

```
.text, #text, p{  
    color:rgb(117, 157, 112)  
}
```

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(117, 157, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 157, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 22.3177, 29.0657, 19.7632 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(117, 157, 112) }
```



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

```
.border{ border-color:rgb(117, 157, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 157, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 157, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 157, 112);  
box-shadow:4px 4px 4px 4px rgb(117, 157,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.3177, 29.0657, 19.7632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 157, 112) }
```

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

```
.background{ background-color: rgb(117,  
157, 112) }
```

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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