

# Converting Colors

XYZ(30.1724, 36.8023, 22.3745)

Have a look what the booklet for  
XYZ(30.1724, 36.8023, 22.3745)  
contains.

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# Color

**XYZ(30.1682, 36.7997,  
22.3426)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95AB75
RGB	149, 171, 117
RGB Percent	58%, 67%, 46%
CMY	0.4157, 0.3294, 0.5412
CMYK	0.13, 0.00, 0.32, 0.33
HSL	84°, 24%, 56%
HSV	84°, 32%, 67%
XYZ	30.1682, 36.7997, 22.3426
YIQ	158.2660, 4.2220, -21.4580

# Conversions

## Conversions Part 2

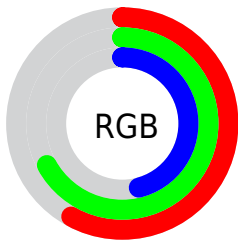
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 171, 139
Decimal	9808757
CIELab	67.13, -17.24, 25.36
CIELCh	67, 30.660, 124.207
Yxy	36.7997, 0.3378, 0.4120
Android (android.graphics.Color)	4287998837 (0xFF95AB75)
YUV	158.2660, -20.3441, -8.1263
Hunter-Lab	60.6628, -17.3900, 20.6269

# Details

The XYZ color **30.1682, 36.7997, 22.3426** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.3609, 21.1528, 41.3290**, and the grayscale version is **32.7091, 34.4125, 37.4753**.

A 20% lighter version of the original color is **59.3539, 70.1324, 48.4388**, and **12.5700, 16.1524, 7.9241** is the 20% darker color. If you saturate the color by 10%, you get **28.0201, 35.7992, 17.4647**, and if you desaturate by 10%, it is **32.5780, 37.9161, 28.1931**.

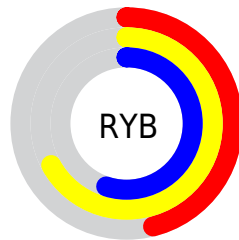
# Distribution



Red (58%)

Green (67%)

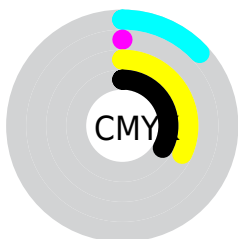
Blue (46%)



Red (46%)

Yellow (67%)

Blue (55%)

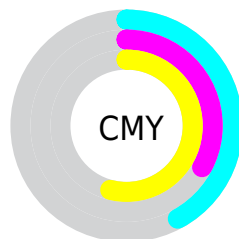


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (42%)

Magenta (33%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1682, 36.7997, 22.3426 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 30.1682, 36.7997, 22.3426 by changing the saturation by 10% instead.





 30.1682, 36.7997,  
22.3426


 30.1682, 36.7997,  
22.3426


294.5835,  
332.4425, 277.3419

 20.1150, 25.0524,  
13.9081

 59.3129, 70.2646,  
48.2210

 12.5874, 16.1161,  
7.9188


 79.1351, 92.7511,  
66.5021

 7.2201, 9.6064,  
3.9560


 102.9443,  
119.5860, 88.9024

 3.6477, 5.1388,  
1.6012

131.1059,  
151.1539, 115.8405

 1.5048, 2.3289,  
0.2917

163.9853,  
187.8391, 147.7350

 0.3291, 0.7889,  
0.0000

201.9478,

 0.0000, 0.0000,

230.0260, 185.0043

0.0000

245.3587,  
278.0990, 228.0671

■ 30.1682, 36.7997,  
22.3426

■ 30.1682, 36.7997,  
22.3426

■ 28.0201, 35.7992,  
17.4647

■ 32.5780, 37.9161,  
28.1931

■ 26.1195, 34.9051,  
13.5041

■ 35.2571, 39.1480,  
35.0625

■ 24.4550, 34.1139,  
10.4038


■ 38.2165, 40.5011,  
42.9971


■ 23.0130, 33.4200,  
8.0995


■ 41.4653, 41.9791,  
52.0397


■ 21.7782, 32.8172,  
6.5176


■ 45.0126, 43.5859,  
62.2307


 20.7325, 32.2980,  
5.5712

 48.8667, 45.3249,  
73.6085

 19.9672, 31.9130,  
5.1074

 53.0357, 47.1996,  
86.2096

 57.5274, 49.2130,  
100.0691

 59.6813, 50.3012,  
101.1713

# Harmonies

## Analogous

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



34.3225, 36.7997, 19.5054



30.1682, 36.7997, 22.3426



27.4996, 36.7997, 29.8886

# Triad

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



30.1682, 36.7997, 22.3426



31.2137, 36.7997, 67.9673



44.7176, 36.7997, 38.2118

# Complementary

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



30.1682, 36.7997, 22.3426



24.3609, 21.1528, 41.3290

# 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.



43.7002, 36.7997, 52.3317



30.1682, 36.7997, 22.3426



35.6398, 36.7997, 71.5747

# Square

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



30.1682, 36.7997, 22.3426



28.0644, 36.7997, 56.3332



40.2715, 36.7997, 65.3195



42.9406, 36.7997, 27.2811



# Rectangle

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



30.1682, 36.7997, 22.3426



26.7829, 36.7997, 37.5286



40.2715, 36.7997, 65.3195



44.6921, 36.7997, 42.7208

# Sweetspot

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



30.1691, 36.8013, 22.3434



64.3766, 70.6749, 66.0534



29.1816, 28.2931, 20.7532



14.1937, 15.6863, 14.3003



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



30.1691, 36.8013, 22.3434



51.2523, 64.6128, 33.6434



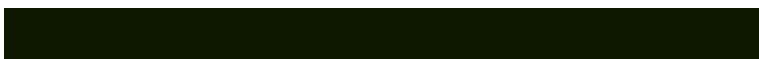
25.8577, 34.5787, 22.1416



8.3422, 9.1650, 8.5427



15.1124, 24.0878, 3.8529



0.4803, 0.7010, 0.1100



# Inverse Universe

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



24.3609, 21.1528, 41.3290



39.1789, 32.0721, 73.1275



29.3555, 23.7276, 41.5628



7.8763, 7.9106, 10.0645



7.4844, 3.2182, 29.2712



0.2712, 0.1220, 0.8172



# Previews

## White Background



This preview shows how the XYZ color 30.1682, 36.7997, 22.3426 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 30.1682, 36.7997, 22.3426 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 30.1682, 36.7997, 22.3426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.1682, 36.7997, 22.3426.



This preview shows how white text looks on a background with the XYZ color 30.1682, 36.7997,



# 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

30.1682, 36.7997, 22.3426

### Protanopia

34.0390, 36.6394, 21.1977

### Deuteranopia

37.2710, 36.4705, 22.8444



## Tritanopia

34.8383, 36.4971, 46.2828

# Trichromacy



## Original Color

30.1682, 36.7997, 22.3426

## Protanomaly

32.4566, 36.6172, 21.5768

## Deuteranomaly

34.2061, 36.1688, 22.6312

## Tritanomaly

32.8790, 36.5090, 36.3244

# Monochromacy



## Original Color

30.1682, 36.7997, 22.3426

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

31.5727, 35.1461, 31.1064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1682, 36.7997, 22.3426 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(149, 171, 117)` looks like.

```
.text, #text, p{  
    color:rgb(149, 171, 117)  
}
```

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(149, 171, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 171, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1682, 36.7997, 22.3426 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(149, 171, 117) }
```



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

```
.border{ border-color:rgb(149, 171, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 171, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 171, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 171, 117);  
box-shadow:4px 4px 4px 4px rgb(149, 171,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.1682, 36.7997, 22.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 171, 117) }
```

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

```
.background{ background-color: rgb(149,  
171, 117) }
```

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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