

# Converting Colors

XYZ(37.2632, 35.5002, 22.0278)

Have a look what the booklet for  
XYZ(37.2632, 35.5002, 22.0278)  
contains.

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# Color

**XYZ(37.2632, 35.5002,  
22.0278)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C49876
RGB	196, 152, 118
RGB Percent	77%, 60%, 46%
CMY	0.2314, 0.4039, 0.5372
CMYK	0.00, 0.22, 0.40, 0.23
HSL	26°, 40%, 62%
HSV	26°, 40%, 77%
XYZ	37.2632, 35.5002, 22.0278
YIQ	161.2800, 37.1380, -1.2460

# Conversions

## Conversions Part 2

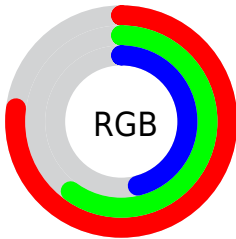
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">196, 178, 118</a>
Decimal	<a href="#">12884086</a>
CIELab	<a href="#">66.14, 11.91, 24.21</a>
CIELCh	<a href="#">66, 26.977, 63.800</a>
Yxy	<a href="#">35.5002, 0.3931, 0.3745</a>
Android (android.graphics.Color)	<a href="#">4291074166 (0xFFC49876)</a>
YUV	<a href="#">161.2800, -21.3370, 30.4494</a>
Hunter-Lab	<a href="#">59.5820, 7.3671, 19.7876</a>

# Details

The XYZ color **37.2632, 35.5002, 22.0278** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.3549, 33.6766, 57.1249**, and the grayscale version is **34.0913, 35.8667, 39.0589**.

A 20% lighter version of the original color is **70.2001, 68.1157, 47.4779**, and **16.7124, 15.3998, 7.7218** is the 20% darker color. If you saturate the color by 10%, you get **34.5060, 31.6601, 15.9473**, and if you desaturate by 10%, it is **40.4315, 39.7750, 29.4401**.

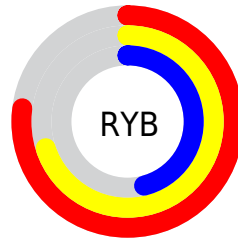
# Distribution



Red (77%)

Green (60%)

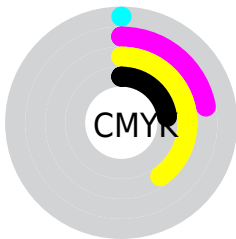
Blue (46%)



Red (77%)

Yellow (70%)

Blue (46%)

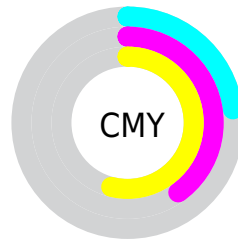


Cyan (0%)

Magenta (22%)

Yellow (40%)

Black (23%)



Cyan (23%)

Magenta (40%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2632, 35.5002, 22.0278 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 37.2632, 35.5002, 22.0278 by changing the saturation by 10% instead.





 37.2632, 35.5002,  
22.0278


 37.2632, 35.5002,  
22.0278

325.7844,  
326.7707, 275.6497

 25.5859, 24.0484,  
13.6788


 70.2886, 68.2599,  
47.6947

 16.6452, 15.3696,  
7.7614

 92.3675, 90.3367,  
65.8497

 10.0756, 9.0792,  
3.8571


 118.6443,  
116.7239, 88.1105

 5.5118, 4.7929,  
1.5473

149.4843,  
147.8060, 114.8956

 2.5883, 2.1262,  
0.2528

185.2530,  
183.9673, 146.6235

 0.9400, 0.6793,  
0.0000

226.3157,

 0.0000, 0.0000,

225.5923, 183.7128

0.0000

273.0377,  
273.0653, 226.5820

■ 37.2632, 35.5002,  
22.0278

■ 37.2632, 35.5002,  
22.0278

■ 34.5060, 31.6601,  
15.9473

■ 40.4315, 39.7750,  
29.4401

■ 32.1376, 28.2345,  
11.1153

■ 44.0264, 44.4938,  
38.2563

■ 30.1373, 25.2089,  
7.4425


■ 48.0658, 49.6717,  
48.5456


■ 28.4810, 22.5658,  
4.8266


■ 52.5656, 55.3217,  
60.3721


■ 27.1408, 20.2855,  
3.1469


■ 57.5410, 61.4560,  
73.7962


 26.0689, 18.3401,  
2.1775

 63.0064, 68.0866,  
88.8749

 26.0487, 18.3033,  
2.1600

 68.9430, 75.2119,  
105.4914

 72.1071, 81.5400,  
106.5461

 75.4696, 88.2650,  
107.6669

# Harmonies

## Analogous

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



40.5659, 35.5002, 27.6212



37.2632, 35.5002, 22.0278



33.2333, 35.5002, 20.5361

# Triad

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



37.2632, 35.5002, 22.0278



26.6159, 35.5002, 40.1362



38.2172, 35.5002, 60.0696

# Complementary

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



37.2632, 35.5002, 22.0278



30.3549, 33.6766, 57.1249

# 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.



34.2556, 35.5002, 65.1506



37.2632, 35.5002, 22.0278



27.7295, 35.5002, 52.2907

# Square

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



37.2632, 35.5002, 22.0278



27.2834, 35.5002, 29.6980



30.4497, 35.5002, 62.0553



41.1467, 35.5002, 49.2500



# Rectangle

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



37.2632, 35.5002, 22.0278



30.7239, 35.5002, 21.7601



30.4497, 35.5002, 62.0553



36.9512, 35.5002, 62.5930

# Sweetspot

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



37.2641, 35.5019, 22.0285



85.2478, 87.6614, 83.2331



35.7830, 27.3088, 37.6612



18.0342, 18.4921, 17.2710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



37.2641, 35.5019, 22.0285



62.9966, 58.0435, 29.9289



44.6223, 50.2183, 24.4812



10.4263, 10.7841, 10.5939



16.8199, 11.9255, 1.4153



0.7952, 0.6522, 0.0840



# Inverse Universe

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



30.3549, 33.6766, 57.1249



48.6959, 54.2462, 102.5118



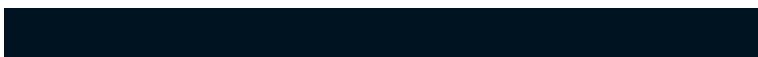
24.5432, 22.0531, 55.1877



9.9891, 10.6694, 12.8178



10.1104, 9.9773, 34.9496



0.5044, 0.5662, 1.5326



# Previews

## White Background



This preview shows how the XYZ color 37.2632, 35.5002, 22.0278 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 37.2632, 35.5002, 22.0278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

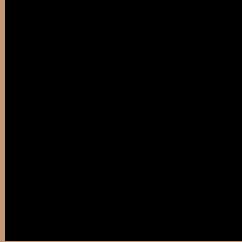
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.2632, 35.5002, 22.0278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2632, 35.5002, 22.0278.



This preview shows how white text looks on a background with the XYZ color 37.2632, 35.5002,



# 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

37.2632, 35.5002, 22.0278

### Protanopia

33.2710, 35.6655, 23.5429

### Deuteranopia

36.3115, 35.4956, 22.0770



## Tritanopia

40.4247, 35.6154, 37.0916

# Trichromacy



## Original Color

37.2632, 35.5002, 22.0278

## Protanomaly

34.7341, 35.6580, 23.1411

## Deuteranomaly

36.6536, 35.4279, 22.0460

## Tritanomaly

39.2586, 35.6202, 30.7928

# Monochromacy



## Original Color

37.2632, 35.5002, 22.0278

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

34.7933, 35.4967, 31.8058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2632, 35.5002, 22.0278 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(196, 152, 118)` looks like.

```
.text, #text, p{  
    color:rgb(196, 152, 118)  
}
```

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(196, 152, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 152, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2632, 35.5002, 22.0278 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".

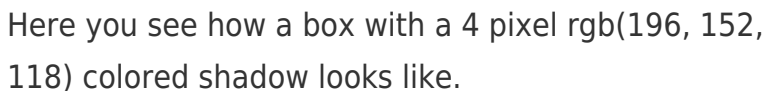
```
.border, #border, table{ border:4px solid rgb(196, 152, 118) }
```



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

```
.border{ border-color:rgb(196, 152, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 152, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 152, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 152, 118);  
box-shadow:4px 4px 4px 4px rgb(196, 152,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2632, 35.5002, 22.0278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 152, 118) }
```

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

```
.background{ background-color: rgb(196,  
152, 118) }
```

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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