

# Converting Colors

XYZ(35.2242, 32.0855, 10.6902)

Have a look what the booklet for  
XYZ(35.2242, 32.0855, 10.6902)  
contains.

<b>XYZ(35.3561, 32.2273, 10.6604)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.3561, 32.2273,  
10.6604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB8D49
RGB	203, 141, 73
RGB Percent	80%, 55%, 29%
CMY	0.2039, 0.4470, 0.7137
CMYK	0.00, 0.31, 0.64, 0.20
HSL	31°, 56%, 54%
HSV	31°, 64%, 80%
XYZ	35.3561, 32.2273, 10.6604
YIQ	151.7860, 58.7800, -8.0040

# Conversions

## Conversions Part 2

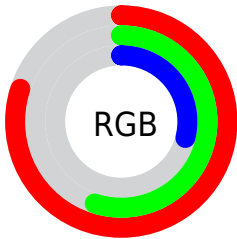
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 203, 73
Decimal	13339977
CIELab	63.53, 16.79, 44.94
CIELCh	64, 47.976, 69.514
Yxy	32.2273, 0.4519, 0.4119
Android (android.graphics.Color)	4291530057 (0xFFCB8D49)
YUV	151.7860, -38.8415, 44.9147
Hunter-Lab	56.7691, 11.8249, 28.6046

# Details

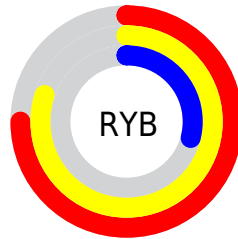
The XYZ color **35.3561, 32.2273, 10.6604** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.1907, 23.0552, 59.7802**, and the grayscale version is **29.8979, 31.4549, 34.2544**.

A 20% lighter version of the original color is **64.3932, 61.7454, 27.5930**, and **15.5728, 13.5638, 2.6079** is the 20% darker color. If you saturate the color by 10%, you get **33.4242, 29.2707, 7.2205**, and if you desaturate by 10%, it is **37.6339, 35.5245, 15.2996**.

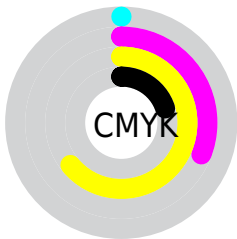
# Distribution



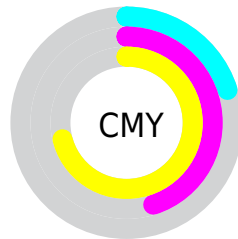
- Red (80%)
- Green (55%)
- Blue (29%)



- Red (75%)
- Yellow (80%)
- Blue (29%)



- Cyan (0%)
- Magenta (31%)
- Yellow (64%)
- Black (20%)



- Cyan (20%)
- Magenta (45%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3561, 32.2273, 10.6604 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 35.3561, 32.2273, 10.6604 by changing the saturation by 10% instead.



35.3561, 32.2273,  
10.6604

35.3561, 32.2273,  
10.6604

317.6179,  
312.1534, 205.9757

24.1051, 21.5352,  
5.7277

67.3675, 63.1673,  
27.6574

15.5368, 13.5158,  
2.6141

88.8585, 84.1839,  
40.5589

9.2857, 7.7846,  
0.8997

114.4937,  
109.4108, 56.9536

4.9866, 3.9575,  
0.0000

144.6382,  
139.2324, 77.2601

2.2741, 1.6498,  
0.0000

179.6576,  
174.0330, 101.8971

0.7814, 0.3908,  
0.0000

219.9171,

0.0000, 0.0000,

214.1971, 131.2830

0.0000

265.7821,  
260.1091, 165.8364

■ 35.3561, 32.2273,  
10.6604

■ 35.3561, 32.2273,  
10.6604

■ 33.4242, 29.2707,  
7.2205

■ 37.6339, 35.5245,  
15.2996

■ 31.8106, 26.6347,  
4.8598

■ 40.2777, 39.1714,  
21.2391

■ 30.4856, 24.3035,  
3.4354

■ 43.3084, 43.1824,  
28.5709

■ 29.8023, 23.0441,  
2.8772

■ 46.7446, 47.5694,  
37.3783

■ 50.6033, 52.3437,  
47.7377

■ 54.9006, 57.5160,  
59.7206

■ 59.6517, 63.0966,  
73.3936

■ 64.8708, 69.0953,  
88.8197

■ 70.4584, 75.4762,  
105.4626

# Harmonies

## Analogous

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



41.6624, 32.2273, 16.4851



35.3561, 32.2273, 10.6604



28.5542, 32.2273, 9.8577

# Triad

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



35.3561, 32.2273, 10.6604



19.6175, 32.2273, 41.5367



39.5641, 32.2273, 71.8645

# Complementary

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



35.3561, 32.2273, 10.6604



22.1907, 23.0552, 59.7802

# 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.



32.8063, 32.2273, 85.3916



35.3561, 32.2273, 10.6604



21.7422, 32.2273, 64.1289

# Square

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



35.3561, 32.2273, 10.6604



20.0942, 32.2273, 23.7137



26.3470, 32.2273, 82.1362



44.3268, 32.2273, 49.6233



# Rectangle

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



35.3561, 32.2273, 10.6604



24.7223, 32.2273, 11.8064



26.3470, 32.2273, 82.1362



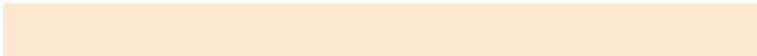
37.4135, 32.2273, 77.8921

# Sweetspot

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



35.3569, 32.2289, 10.6610



81.2745, 83.3970, 70.5571



31.4433, 19.2347, 25.2863



17.0027, 17.3612, 14.0536



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.



35.3569, 32.2289, 10.6610



54.8288, 47.1890, 10.3088



46.6010, 55.5871, 14.5770



11.6898, 12.1685, 11.8121



19.0580, 14.8489, 1.8617



1.0589, 0.9175, 0.1213



# Inverse Universe

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



22.1907, 23.0552, 59.7802



31.1078, 30.6888, 98.8917



16.0770, 10.5798, 57.6944



11.0357, 11.7118, 14.2493



9.6592, 8.3423, 37.0574



0.5741, 0.5820, 1.9370



# Previews

## White Background



This preview shows how the XYZ color 35.3561, 32.2273, 10.6604 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 35.3561, 32.2273, 10.6604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

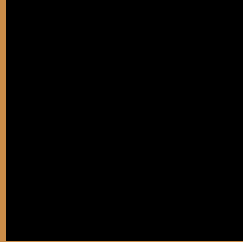
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 35.3561, 32.2273, 10.6604

## Background



This preview shows how black text looks on a background with the XYZ color 35.3561, 32.2273, 10.6604.



This preview shows how white text looks on a background with the XYZ color 35.3561, 32.2273,



# 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

35.3561, 32.2273, 10.6604

### Protanopia

29.4727, 32.1931, 11.6817

### Deuteranopia

33.0893, 32.4117, 10.6430



## Tritanopia

39.3579, 32.1681, 30.1213

# Trichromacy



## Original Color

35.3561, 32.2273, 10.6604

## Protanomaly

31.3434, 31.9618, 11.3547

## Deuteranomaly

33.8008, 32.3208, 10.5879

## Tritanomaly

37.5278, 32.0381, 21.3456

# Monochromacy



## Original Color

35.3561, 32.2273, 10.6604

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

30.9596, 31.2678, 23.1424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3561, 32.2273, 10.6604 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(203, 141, 73)` looks like.

```
.text, #text, p{  
    color:rgb(203, 141, 73)  
}
```

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(203, 141, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 141, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3561, 32.2273, 10.6604 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(203, 141, 73) }
```



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

```
.border{ border-color:rgb(203, 141, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 141, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 141, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 141, 73);  
box-shadow:4px 4px 4px 4px rgb(203, 141,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3561, 32.2273, 10.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 141, 73) }
```

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

```
.background{ background-color: rgb(203,  
141, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor