

# Converting Colors

XYZ(40.6665, 40.8362, 22.5684)

Have a look what the booklet for  
XYZ(40.6665, 40.8362, 22.5684)  
contains.

<b>XYZ(40.6665, 40.8362, 22.5684)</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(40.6665, 40.8362,  
22.5684)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8A675
RGB	200, 166, 117
RGB Percent	78%, 65%, 46%
CMY	0.2157, 0.3490, 0.5412
CMYK	0.00, 0.17, 0.41, 0.22
HSL	35°, 43%, 62%
HSV	35°, 41%, 78%
XYZ	40.6665, 40.8362, 22.5684
YIQ	170.5800, 35.9930, -8.0310

# Conversions

## Conversions Part 2

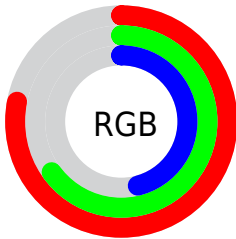
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 200, 117
Decimal	13149813
CIELab	70.06, 5.81, 30.02
CIELCh	70, 30.577, 79.044
Yxy	40.8362, 0.3908, 0.3924
Android (android.graphics.Color)	4291339893 (0xFFC8A675)
YUV	170.5800, -26.4149, 25.8013
Hunter-Lab	63.9032, 1.7626, 23.7931

# Details

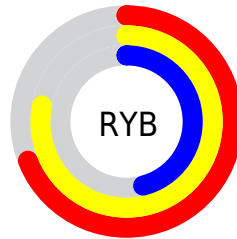
The XYZ color **40.6665, 40.8362, 22.5684** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.8275, 30.0840, 58.9308**, and the grayscale version is **38.6145, 40.6255, 44.2411**.

A 20% lighter version of the original color is **74.3522, 75.8752, 48.7568**, and **18.5623, 18.3813, 8.0384** is the 20% darker color. If you saturate the color by 10%, you get **38.1722, 37.5327, 16.5423**, and if you desaturate by 10%, it is **43.5089, 44.4338, 29.9509**.

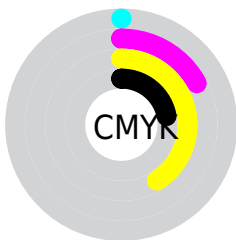
# Distribution



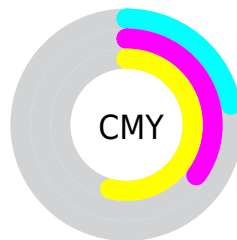
- Red (78%)
- Green (65%)
- Blue (46%)



- Red (69%)
- Yellow (78%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (41%)
- Black (22%)




- Cyan (22%)
- Magenta (35%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6665, 40.8362, 22.5684 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 40.6665, 40.8362, 22.5684 by changing the saturation by 10% instead.




 40.6665, 40.8362,  
22.5684


 40.6665, 40.8362,  
22.5684


340.0113,  
349.6356, 278.5501


 28.2451, 28.1911,  
14.0728


 75.4553, 76.4352,  
48.5978

 18.6519, 18.4698,  
8.0320


 98.5534, 100.1579,  
66.9688

 11.5215, 11.2878,  
4.0274


 125.9411,  
128.3419, 89.4687

 6.4886, 6.2607,  
1.6404

157.9838,  
161.3716, 116.5159

 3.1879, 3.0043,  
0.3194

195.0468,  
199.6314, 148.5292

 1.2539, 1.1340,  
0.0000

237.4954,

 0.1483, 0.0068,

243.5058, 185.9269

0.0000

285.6952,  
293.3790, 229.1277

■ 0.0000, 0.0000,  
0.0000

■ 40.6665, 40.8362,  
22.5684

■ 40.6665, 40.8362,  
22.5684

■ 38.1722, 37.5327,  
16.5423

■ 43.5089, 44.4338,  
29.9509

■ 36.0051, 34.5075,  
11.7844

■ 46.7129, 48.3290,  
38.7653

■ 34.1464, 31.7518,  
8.2001


■ 50.2946, 52.5324,  
49.0847


■ 32.5736, 29.2535,  
5.6801

■ 54.2685, 57.0524,  
60.9761


■ 31.2602, 26.9991,  
4.0941


■ 58.6478, 61.8970,  
74.5028

 30.3077, 25.2560,  
3.2775

 63.4455, 67.0736,  
89.7244

 68.3496, 72.4599,  
104.9915

 70.5960, 76.9527,  
105.7403

 72.9498, 81.6603,  
106.5249

# Harmonies

## Analogous

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



45.4509, 40.8362, 26.7676



40.6665, 40.8362, 22.5684



35.7653, 40.8362, 23.2129

# Triad

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



40.6665, 40.8362, 22.5684



30.4294, 40.8362, 54.0493



46.5227, 40.8362, 65.0249

# Complementary

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



40.6665, 40.8362, 22.5684



28.8275, 30.0840, 58.9308

# 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.



42.0303, 40.8362, 75.8372



40.6665, 40.8362, 22.5684



32.8561, 40.8362, 68.6211

# Square

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



40.6665, 40.8362, 22.5684



30.1325, 40.8362, 39.4413



37.0178, 40.8362, 77.2786



49.0198, 40.8362, 49.8953



# Rectangle

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



40.6665, 40.8362, 22.5684



33.0762, 40.8362, 26.3493



37.0178, 40.8362, 77.2786



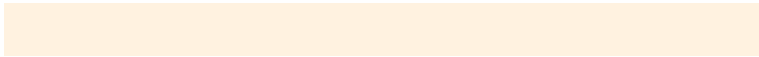
45.1788, 40.8362, 69.4118

# Sweetspot

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



40.6675, 40.8381, 22.5692



86.6402, 90.4461, 83.6972



35.8143, 27.2556, 32.9007



18.3617, 19.1471, 17.3801



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.



40.6675, 40.8381, 22.5692



66.4072, 65.4128, 29.3758



45.8787, 53.9412, 24.8237



11.1456, 11.6603, 11.2260



19.3607, 16.2387, 2.1140



0.9867, 0.9089, 0.1234



# Inverse Universe

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



28.8275, 30.0840, 58.9308



43.1421, 44.3006, 100.8848



25.0871, 21.1720, 57.4078



10.4075, 10.9890, 13.4900



8.6266, 6.6472, 35.5727



0.4794, 0.4566, 1.7080



# Previews

## White Background



This preview shows how the XYZ color 40.6665, 40.8362, 22.5684 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 40.6665, 40.8362, 22.5684 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 40.6665, 40.8362, 22.5684

## Background



This preview shows how black text looks on a background with the XYZ color 40.6665, 40.8362, 22.5684.



This preview shows how white text looks on a background with the XYZ color 40.6665, 40.8362,



# 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

40.6665, 40.8362, 22.5684

### Protanopia

37.9003, 40.7720, 23.3250

### Deuteranopia

41.6632, 40.8144, 22.5117



## Tritanopia

44.9257, 40.7157, 44.0192

# Trichromacy



## Original Color

40.6665, 40.8362, 22.5684

## Protanomaly

38.6932, 40.6311, 22.9428

## Deuteranomaly

41.2946, 40.8911, 22.5459

## Tritanomaly

43.1348, 40.7715, 34.8744

# Monochromacy



## Original Color

40.6665, 40.8362, 22.5684

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.0653, 40.5554, 35.0472

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6665, 40.8362, 22.5684 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(200, 166, 117)` looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 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(200, 166, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6665, 40.8362, 22.5684 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(200, 166, 117) }
```



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

```
.border{ border-color:rgb(200, 166, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 166, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6665, 40.8362, 22.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 117) }
```

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

```
.background{ background-color: rgb(200,  
166, 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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