

# Converting Colors

XYZ(38.7017, 38.4723, 23.4753)

Have a look what the booklet for  
XYZ(38.7017, 38.4723, 23.4753)  
contains.

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# Color

**XYZ(38.7017, 38.4723,  
23.4753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3A179
RGB	195, 161, 121
RGB Percent	76%, 63%, 47%
CMY	0.2353, 0.3686, 0.5255
CMYK	0.00, 0.17, 0.38, 0.24
HSL	32°, 38%, 62%
HSV	32°, 38%, 76%
XYZ	38.7017, 38.4723, 23.4753
YIQ	166.6060, 33.1040, -5.2320

# Conversions

## Conversions Part 2

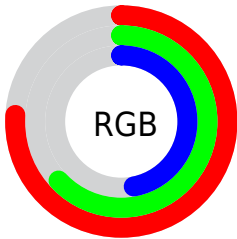
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 195, 121
Decimal	12820857
CIELab	68.37, 6.94, 25.53
CIELCh	68, 26.462, 74.787
Yxy	38.4723, 0.3845, 0.3822
Android (android.graphics.Color)	4291010937 (0xFFC3A179)
YUV	166.6060, -22.4838, 24.9015
Hunter-Lab	62.0260, 2.8311, 20.9785

# Details

The XYZ color **38.7017, 38.4723, 23.4753** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.4564, 31.4467, 56.1469**, and the grayscale version is **36.6343, 38.5421, 41.9724**.

A 20% lighter version of the original color is **72.7039, 73.0504, 50.3126**, and **17.5608, 17.1952, 8.5243** is the 20% darker color. If you saturate the color by 10%, you get **36.1151, 35.0232, 17.2979**, and if you desaturate by 10%, it is **41.6442, 42.2461, 30.9647**.

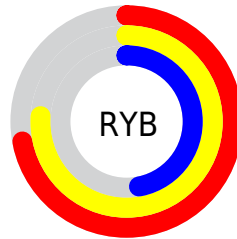
# Distribution



Red (76%)

Green (63%)

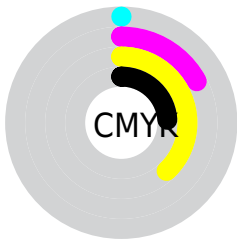
Blue (47%)



Red (72%)

Yellow (76%)

Blue (47%)

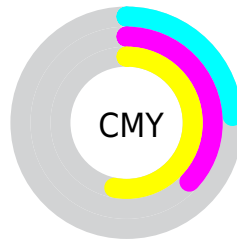


Cyan (0%)

Magenta (17%)

Yellow (38%)

Black (24%)



Cyan (24%)

Magenta (37%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7017, 38.4723, 23.4753 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 38.7017, 38.4723, 23.4753 by changing the saturation by 10% instead.





 38.7017, 38.4723,  
23.4753


 38.7017, 38.4723,  
23.4753


331.8496,  
339.6417, 283.3576


 26.7074, 26.3495,  
14.7363


 72.4794, 72.8315,  
50.1056

 17.4891, 17.0853,  
8.4899

 94.9935, 95.8366,  
68.8340

 10.6812, 10.2953,  
4.3178


 121.7450,  
123.2379, 91.7293

 5.9186, 5.5952,  
1.8012

153.0991,  
155.4199, 119.2100

 2.8359, 2.6005,  
0.4288

189.4213,  
192.7668, 151.6946

 1.0676, 0.9269,  
0.0000

231.0769,

 0.0000, 0.0000,

235.6632, 189.6017

0.0000

278.4312,  
284.4934, 233.3498

■ 38.7017, 38.4723,  
23.4753

■ 38.7017, 38.4723,  
23.4753

■ 36.1151, 35.0232,  
17.2979

■ 41.6442, 42.2461,  
30.9647

■ 33.8644, 31.8828,  
12.3521

■ 44.9553, 46.3490,  
39.8353

■ 31.9321, 29.0416,  
8.5525

■ 48.6507, 50.7922,  
50.1540

■ 30.2971, 26.4873,  
5.8014

■ 52.7441, 55.5847,  
61.9828

■ 28.9354, 24.2061,  
3.9844

■ 57.2486, 60.7350,  
75.3800

■ 27.8119, 22.1796,  
2.9301

■ 62.1765, 66.2513,  
90.4008

■ 27.5998, 21.7904,  
2.7513

■ 67.1342, 71.9793,  
104.9628

■ 69.6016, 76.9140,  
105.7852

■ 72.1976, 82.1061,  
106.6506

# Harmonies

## Analogous

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



42.5299, 38.4723, 27.7602



38.7017, 38.4723, 23.4753



34.5670, 38.4723, 23.4454

# Triad

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



38.7017, 38.4723, 23.4753



29.3788, 38.4723, 47.9998



42.4835, 38.4723, 60.3004

# Complementary

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



38.7017, 38.4723, 23.4753



29.4564, 31.4467, 56.1469

# 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.



38.6422, 38.4723, 68.1102



38.7017, 38.4723, 23.4753



31.1888, 38.4723, 60.1474

# Square

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



38.7017, 38.4723, 23.4753



29.3921, 38.4723, 36.1726



34.5118, 38.4723, 68.0494



44.8232, 38.4723, 48.1797



# Rectangle

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



38.7017, 38.4723, 23.4753



32.1989, 38.4723, 25.7796



34.5118, 38.4723, 68.0494



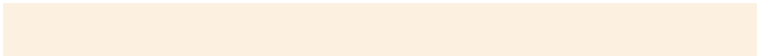
41.3128, 38.4723, 63.6104

# Sweetspot

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



38.7027, 38.4741, 23.4761



84.9248, 88.3378, 83.5807



35.3046, 27.6618, 34.7246



18.3949, 19.1020, 17.7348



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.



38.7027, 38.4741, 23.4761



65.2217, 63.4598, 32.2245



44.8398, 51.6868, 25.7029



10.5141, 10.9597, 10.6231



18.0234, 14.3325, 1.8165



0.8470, 0.7559, 0.1013

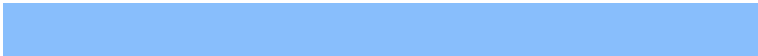


# Inverse Universe

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



29.4564, 31.4467, 56.1469



46.1904, 49.0030, 99.4938



24.9234, 21.8608, 54.5356



9.9010, 10.4934, 12.7884



8.8378, 7.4321, 34.5254

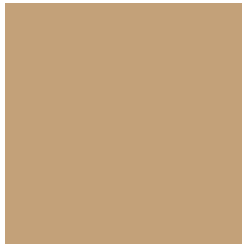


0.4507, 0.4588, 1.5147



# Previews

## White Background



This preview shows how the XYZ color 38.7017, 38.4723, 23.4753 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 38.7017, 38.4723, 23.4753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

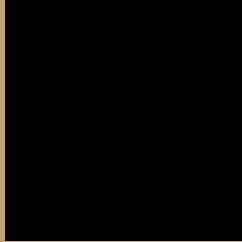
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.7017, 38.4723, 23.4753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7017, 38.4723, 23.4753.



This preview shows how white text looks on a background with the XYZ color 38.7017, 38.4723,

23.4753.

# 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

38.7017, 38.4723, 23.4753

### Protanopia

35.9843, 38.6512, 24.3027

### Deuteranopia

39.3107, 38.5279, 23.4539



## Tritanopia

42.5158, 38.5121, 41.7520

# Trichromacy



## Original Color

38.7017, 38.4723, 23.4753

## Protanomaly

36.9756, 38.6297, 23.9198

## Deuteranomaly

39.0480, 38.3924, 23.4416

## Tritanomaly

40.8507, 38.3217, 34.0979

# Monochromacy



## Original Color

38.7017, 38.4723, 23.4753

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.0916, 38.4594, 34.3226

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7017, 38.4723, 23.4753 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(195, 161, 121)` looks like.

```
.text, #text, p{  
    color:rgb(195, 161, 121)  
}
```

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(195, 161, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 161, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7017, 38.4723, 23.4753 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(195, 161, 121) }
```



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

```
.border{ border-color:rgb(195, 161, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 161, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 161, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 161, 121);  
box-shadow:4px 4px 4px 4px rgb(195, 161,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7017, 38.4723, 23.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 161, 121) }
```

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

```
.background{ background-color: rgb(195,  
161, 121) }
```

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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