

# Converting Colors

XYZ(51.7777, 54.2844, 42.7385)

Have a look what the booklet for  
XYZ(51.7777, 54.2844, 42.7385)  
contains.

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# Color

**XYZ(51.7832, 54.2302,  
42.8602)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0C1A4
RGB	208, 193, 164
RGB Percent	82%, 76%, 64%
CMY	0.1843, 0.2431, 0.3569
CMYK	0.00, 0.07, 0.21, 0.18
HSL	40°, 32%, 73%
HSV	40°, 21%, 82%
XYZ	51.7832, 54.2302, 42.8602
YIQ	194.1790, 18.2490, -5.8390

# Conversions

## Conversions Part 2

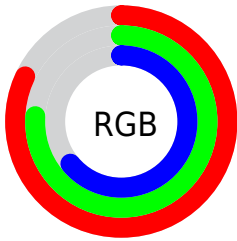
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 208, 164
Decimal	13681060
CIELab	78.60, 0.63, 16.52
CIELCh	79, 16.533, 87.819
Yxy	54.2302, 0.3478, 0.3643
Android (android.graphics.Color)	4291871140 (0xFFD0C1A4)
YUV	194.1790, -14.8782, 12.1210
Hunter-Lab	73.6412, -3.3539, 17.0412

# Details

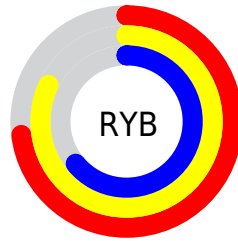
The XYZ color **51.7832, 54.2302, 42.8602** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.8148, 44.6856, 66.0433**, and the grayscale version is **51.4631, 54.1432, 58.9620**.

A 20% lighter version of the original color is **87.9019, 94.1258, 80.5530**, and **25.4396, 26.6983, 19.1417** is the 20% darker color. If you saturate the color by 10%, you get **48.5271, 50.4819, 33.2531**, and if you desaturate by 10%, it is **55.4246, 58.2565, 54.1127**.

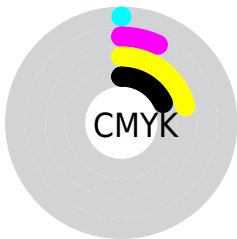
# Distribution



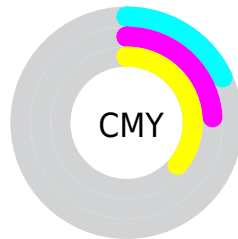
- Red (82%)
- Green (76%)
- Blue (64%)



- Red (73%)
- Yellow (82%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (21%)
- Black (18%)



- Cyan (18%)
- Magenta (24%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7832, 54.2302, 42.8602 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 51.7832, 54.2302, 42.8602 by changing the saturation by 10% instead.



■ 51.7832, 54.2302,  
42.8602

■ 51.7832, 54.2302,  
42.8602

383.9368,  
402.9872, 373.9408

■ 37.0559, 38.7857,  
29.4449

■ 91.9875, 96.4122,  
80.7839

■ 25.4246, 26.5931,  
19.1691

■ 118.1953,  
123.9184, 106.1294

■ 16.5241, 17.2679,  
11.6145

148.9605,  
156.2141, 136.2887

■ 9.9890, 10.4256,  
6.3624

184.6486,  
193.6836, 171.6803

■ 5.4539, 5.6821,  
2.9944

225.6249,  
236.7112, 212.7228

■ 2.5534, 2.6527,  
1.0918

272.2548,

■ 0.9223, 0.9533,

285.6815, 259.8347

0.0000

324.9037,  
340.9787, 313.4345

■ 0.0000, 0.0000,  
0.0000

■ 51.7832, 54.2302,  
42.8602

■ 51.7832, 54.2302,  
42.8602

■ 48.5271, 50.4819,  
33.2531

■ 55.4246, 58.2565,  
54.1127

■ 45.6359, 46.9963,  
25.2090

■ 59.4619, 62.5611,  
67.0807

■ 43.0940, 43.7672,  
18.6436


■ 63.9105, 67.1537,  
81.8344

■ 40.8824, 40.7854,  
13.4633


■ 68.7838, 72.0411,  
98.4390

■ 38.9804, 38.0407,  
9.5633


■ 71.9296, 76.3641,  
105.5564


 37.3640, 35.5217,  
6.8241


 73.9250, 80.3550,  
106.2215

 36.0053, 33.2155,  
5.1032

 76.0014, 84.5077,  
106.9137

 34.9742, 31.3334,  
4.2046

 78.1596, 88.8242,  
107.6331

 79.8225, 92.1499,  
108.1874

# Harmonies

## Analogous

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



54.9562, 54.2302, 45.1163



51.7832, 54.2302, 42.8602



48.6732, 54.2302, 44.5475

# Triad

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



51.7832, 54.2302, 42.8602



46.1954, 54.2302, 67.8299



57.0350, 54.2302, 69.1367

# Complementary

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



51.7832, 54.2302, 42.8602



42.8148, 44.6856, 66.0433

# 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.



54.5259, 54.2302, 76.3950



51.7832, 54.2302, 42.8602



48.2764, 54.2302, 75.5864

# Square

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



51.7832, 54.2302, 42.8602



45.5293, 54.2302, 58.3666



51.3059, 54.2302, 78.8699



58.0668, 54.2302, 59.7336



# Rectangle

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



51.7832, 54.2302, 42.8602



47.0363, 54.2302, 47.7921



51.3059, 54.2302, 78.8699



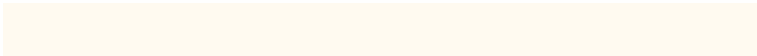
56.3313, 54.2302, 71.9442

# Sweetspot

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



51.7846, 54.2326, 42.8613



91.0427, 95.7716, 95.8919



47.4656, 43.2324, 48.7038



19.3966, 20.4027, 20.2350



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

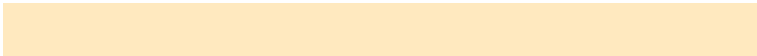


# Same Dimension

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



51.7846, 54.2326, 42.8613



79.8880, 83.4656, 61.3345



53.4521, 60.2653, 43.9379



12.4500, 13.0908, 12.4826



21.8906, 19.7142, 2.6515



1.2960, 1.2464, 0.1723



# Inverse Universe

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



42.8148, 44.6856, 66.0433



63.3871, 65.9053, 103.9879



41.3688, 39.7188, 65.1608



11.4883, 12.0669, 14.9673



8.5767, 5.8000, 37.8600

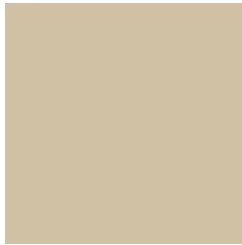


0.5525, 0.4702, 2.1412



# Previews

## White Background



This preview shows how the XYZ color 51.7832, 54.2302, 42.8602 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 51.7832, 54.2302, 42.8602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

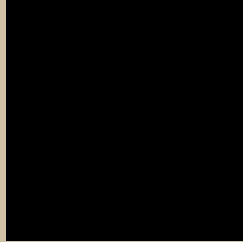
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.7832, 54.2302, 42.8602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7832, 54.2302, 42.8602.



This preview shows how white text looks on a background with the XYZ color 51.7832, 54.2302,



# 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

51.7832, 54.2302, 42.8602

### Protanopia

51.2602, 54.2793, 43.3726

### Deuteranopia

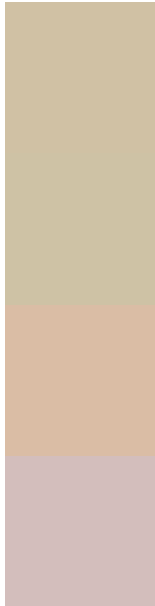
55.3023, 54.1046, 43.1258



## Tritanopia

56.0845, 54.3768, 63.4169

# Trichromacy



## Original Color

51.7832, 54.2302, 42.8602

## Protanomaly

51.5369, 54.4220, 43.3855

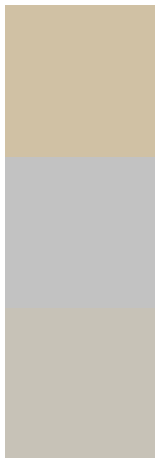
## Deuteranomaly

53.9026, 54.0172, 43.1827

## Tritanomaly

54.3545, 54.3066, 55.1944

# Monochromacy



## Original Color

51.7832, 54.2302, 42.8602

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.3922, 54.1446, 52.5420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7832, 54.2302, 42.8602 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(208, 193, 164)` looks like.

```
.text, #text, p{  
    color:rgb(208, 193, 164)  
}
```

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(208, 193, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 193, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7832, 54.2302, 42.8602 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(208, 193, 164) }
```



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

```
.border{ border-color:rgb(208, 193, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 193, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 193, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 193, 164);  
box-shadow:4px 4px 4px 4px rgb(208, 193,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7832, 54.2302, 42.8602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 193, 164) }
```

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

```
.background{ background-color: rgb(208,  
193, 164) }
```

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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