

# Converting Colors

XYZ(48.8284, 53.9178, 41.3043)

Have a look what the booklet for  
XYZ(48.8284, 53.9178, 41.3043)  
contains.

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# Color

**XYZ(48.8171, 54.0727,  
41.1218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C5A0
RGB	195, 197, 160
RGB Percent	76%, 77%, 63%
CMY	0.2353, 0.2274, 0.3725
CMYK	0.01, 0.00, 0.19, 0.23
HSL	63°, 24%, 70%
HSV	63°, 19%, 77%
XYZ	48.8171, 54.0727, 41.1218
YIQ	192.1840, 10.6850, -11.9310

# Conversions

## Conversions Part 2

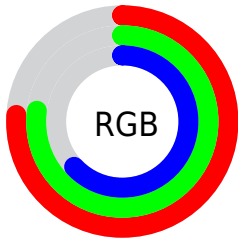
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">160, 197, 162</a>
Decimal	<a href="#">12830112</a>
<a href="#">CIELab</a>	<a href="#">78.50, -6.93, 18.37</a>
<a href="#">CIElCh</a>	<a href="#">79, 19.634, 110.657</a>
<a href="#">Yxy</a>	<a href="#">54.0727, 0.3390, 0.3755</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291020192 (0xFFC3C5A0)</a>
<a href="#">YUV</a>	<a href="#">192.1840, -15.8667, 2.4696</a>
<a href="#">Hunter-Lab</a>	<a href="#">73.5341, -10.1840, 18.3177</a>

# Details

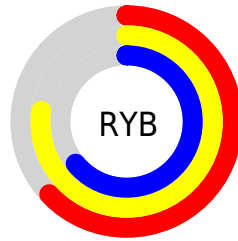
The XYZ color **48.8171, 54.0727, 41.1218** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5512, 36.8556, 57.9610**, and the grayscale version is **50.2971, 52.9164, 57.6260**.

A 20% lighter version of the original color is **87.8524, 96.4854, 78.2832**, and **23.5137, 26.3904, 18.0419** is the 20% darker color. If you saturate the color by 10%, you get **46.9543, 53.2977, 32.7402**, and if you desaturate by 10%, it is **50.9579, 54.9628, 50.9442**.

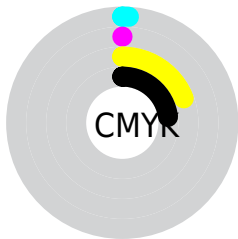
# Distribution



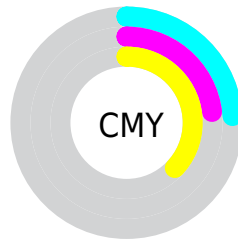
- Red (76%)
- Green (77%)
- Blue (63%)



- Red (63%)
- Yellow (77%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)



- Cyan (24%)
- Magenta (23%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8171, 54.0727, 41.1218 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 48.8171, 54.0727, 41.1218 by changing the saturation by 10% instead.



■ 48.8171, 54.0727,  
41.1218

■ 48.8171, 54.0727,  
41.1218

372.5508,  
402.3872, 366.5211

■ 34.6884, 38.6598,  
28.0939

■ 87.6221, 96.1810,  
78.1244

■ 23.5883, 26.4952,  
18.1568

■ 113.0291,  
123.6451, 102.9362

■ 15.1516, 17.1944,  
10.8920

142.9262,  
155.8952, 132.5130

■ 9.0128, 10.3732,  
5.8810

177.6787,  
193.3155, 167.2733

■ 4.8067, 5.6471,  
2.7052

217.6521,  
236.2904, 207.6358

■ 2.1679, 2.6317,  
0.9461

263.2117,

■ 0.7257, 0.9426,

285.2044, 254.0189

0.0000

314.7228,  
340.4419, 306.8411

■ 0.0000, 0.0000,  
0.0000

■ 48.8171, 54.0727,  
41.1218

■ 48.8171, 54.0727,  
41.1218

■ 46.9543, 53.2977,  
32.7402

■ 50.9579, 54.9628,  
50.9442

■ 45.3524, 52.6254,  
25.7284

■ 53.3843, 55.9656,  
62.2670

■ 43.9988, 52.0527,  
20.0144


■ 56.1092, 57.0879,  
75.1508


■ 42.8786, 51.5735,  
15.5186


■ 59.1431, 58.3342,  
89.6517


■ 41.9748, 51.1811,  
12.1523


■ 61.9268, 59.4805,  
102.8247


 41.2683, 50.8679,  
9.8151


 62.2134, 59.6283,  
102.8382


 40.7367, 50.6249,  
8.3886

 62.5021, 59.7771,  
102.8517

 40.3430, 50.4373,  
7.6779

 62.7928, 59.9270,  
102.8653

 40.2982, 50.4157,  
7.6073

 63.0854, 60.0778,  
102.8790

# Harmonies

## Analogous

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



52.6104, 54.0727, 40.2728



48.8171, 54.0727, 41.1218



45.8587, 54.0727, 46.3875

# Triad

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



48.8171, 54.0727, 41.1218



46.8256, 54.0727, 76.9176



59.0818, 54.0727, 62.3992

# Complementary

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



48.8171, 54.0727, 41.1218



37.5512, 36.8556, 57.9610

# 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.



57.3588, 54.0727, 73.4259



48.8171, 54.0727, 41.1218



50.1974, 54.0727, 82.4734

# Square

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



48.8171, 54.0727, 41.1218



44.7495, 54.0727, 66.7080



54.0610, 54.0727, 81.1212



58.6667, 54.0727, 51.6823



# Rectangle

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



48.8171, 54.0727, 41.1218



44.6964, 54.0727, 52.1040



54.0610, 54.0727, 81.1212



58.7304, 54.0727, 66.2106

# Sweetspot

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



48.8185, 54.0751, 41.1230



92.3794, 98.8966, 96.4246



42.2668, 40.1976, 38.7896



19.7133, 21.1432, 20.3613



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.



48.8185, 54.0751, 41.1230



85.8445, 96.1839, 66.4745



44.3652, 51.7793, 40.9145



11.4650, 12.3866, 11.3493



26.5277, 33.1708, 5.0045



1.2738, 1.5798, 0.2378



# Inverse Universe

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



37.5512, 36.8556, 57.9610



61.5623, 59.0723, 102.7652



41.5545, 38.9194, 58.1484



10.1090, 10.3144, 13.3756



6.7395, 2.7086, 34.9120



0.3381, 0.1380, 1.6540



# Previews

## White Background



This preview shows how the XYZ color 48.8171, 54.0727, 41.1218 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 48.8171, 54.0727, 41.1218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

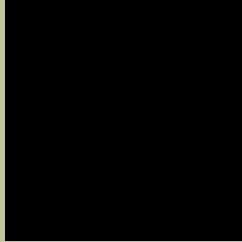
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

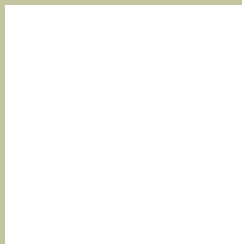
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 48.8171, 54.0727, 41.1218

## Background



This preview shows how black text looks on a background with the XYZ color 48.8171, 54.0727, 41.1218.



This preview shows how white text looks on a background with the XYZ color 48.8171, 54.0727,



# 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

48.8171, 54.0727, 41.1218

### Protanopia

50.9169, 54.1740, 40.1208

### Deuteranopia

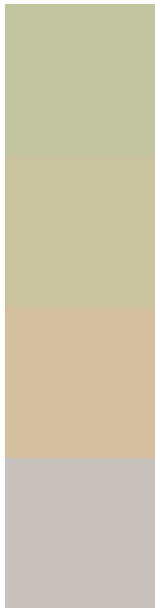
55.0324, 53.9966, 41.7043



## Tritanopia

53.8588, 54.1353, 66.0030

# Trichromacy



## Original Color

48.8171, 54.0727, 41.1218

## Protanomaly

50.1302, 54.0900, 40.5992

## Deuteranomaly

52.5044, 53.9809, 41.3703

## Tritanomaly

51.8085, 53.9562, 55.8281

# Monochromacy



## Original Color

48.8171, 54.0727, 41.1218

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

49.5223, 53.2163, 50.8417

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8171, 54.0727, 41.1218 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, 197, 160)` looks like.

```
.text, #text, p{  
    color:rgb(195, 197, 160)  
}
```

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, 197, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 197, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8171, 54.0727, 41.1218 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".

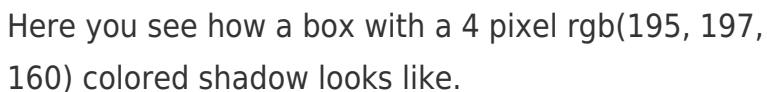
```
.border, #border, table{ border:4px solid rgb(195, 197, 160) }
```



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

```
.border{ border-color:rgb(195, 197, 160) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 197, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 197, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 197, 160); box-shadow:4px 4px 4px 4px rgb(195, 197, 160) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8171, 54.0727, 41.1218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 197, 160) }
```

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

```
.background{ background-color: rgb(195,  
197, 160) }
```

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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