

# Converting Colors

XYZ(49.9581, 55.3340, 40.0044)

Have a look what the booklet for  
XYZ(49.9581, 55.3340, 40.0044)  
contains.

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# Color

**XYZ(50.0624, 55.4233,  
39.9575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7C79D
RGB	199, 199, 157
RGB Percent	78%, 78%, 62%
CMY	0.2196, 0.2196, 0.3843
CMYK	0.00, 0.00, 0.21, 0.22
HSL	60°, 27%, 70%
HSV	60°, 21%, 78%
XYZ	50.0624, 55.4233, 39.9575
YIQ	194.2120, 13.4820, -13.0620

# Conversions

## Conversions Part 2

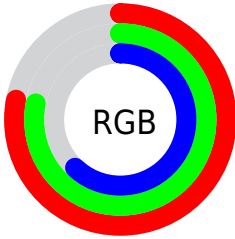
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 199, 157
Decimal	13092765
CIELab	79.28, -6.91, 21.09
CIElCh	79, 22.199, 108.147
Yxy	55.4233, 0.3442, 0.3811
Android (android.graphics.Color)	4291282845 (0xFFC7C79D)
YUV	194.2120, -18.3455, 4.1991
Hunter-Lab	74.4468, -10.2481, 20.2903

# Details

The XYZ color **50.0624, 55.4233, 39.9575** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2726, 35.4071, 58.9584**, and the grayscale version is **51.5046, 54.1869, 59.0095**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **24.3523, 27.2905, 17.3487** is the 20% darker color. If you saturate the color by 10%, you get **48.4999, 54.8001, 31.7263**, and if you desaturate by 10%, it is **51.9046, 56.1621, 49.6486**.

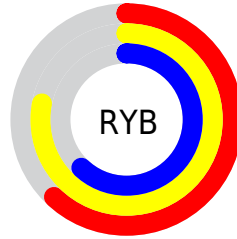
# Distribution



Red (78%)

Green (78%)

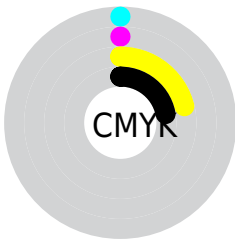
Blue (62%)



Red (62%)

Yellow (78%)

Blue (62%)

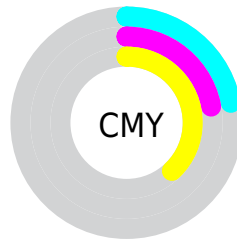


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (22%)



Cyan (22%)

Magenta (22%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0624, 55.4233, 39.9575 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 50.0624, 55.4233, 39.9575 by changing the saturation by 10% instead.



■ 50.0624, 55.4233,  
39.9575

■ 50.0624, 55.4233,  
39.9575

377.3579,  
407.5145, 361.4912

■ 35.6810, 39.7407,  
27.1919

■ 89.4586, 98.1609,  
76.3352

■ 24.3569, 27.3365,  
17.4837

■ 115.2041,  
125.9847, 100.7843

■ 15.7247, 17.8261,  
10.4143

145.4683,  
158.6243, 129.9650

■ 9.4192, 10.8252,  
5.5654

180.6166,  
196.4643, 164.2958

■ 5.0749, 5.9494,  
2.5182

221.0144,  
239.8889, 204.1953

■ 2.3265, 2.8143,  
0.8498

267.0269,

■ 0.8082, 1.0356,

289.2825, 250.0820

0.0000

319.0196,  
345.0296, 302.3745

■ 0.0000, 0.0000,  
0.0000

■ 50.0624, 55.4233,  
39.9575

■ 50.0624, 55.4233,  
39.9575

■ 48.4999, 54.8001,  
31.7263

■ 51.9046, 56.1621,  
49.6486

■ 47.1994, 54.2798,  
24.8810

■ 54.0346, 57.0142,  
60.8618

■ 46.1478, 53.8591,  
19.3464

■ 56.4655, 57.9866,  
73.6600

■ 45.3292, 53.5316,  
15.0389

■ 59.2085, 59.0839,  
88.1013

■ 44.7259, 53.2902,  
11.8653

■ 62.0309, 60.2129,  
102.9606

■ 44.3177, 53.1269,  
9.7187

■ 62.0315, 60.2133,  
102.9606

■ 44.0804, 53.0319,  
8.4723

■ 62.0321, 60.2136,  
102.9607

■ 43.9731, 52.9889,  
7.9103

■ 62.0327, 60.2139,  
102.9607

■ 62.0333, 60.2142,  
102.9607

# Harmonies

## Analogous

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



54.4523, 55.4233, 39.4318



50.0624, 55.4233, 39.9575



46.5685, 55.4233, 45.4516

# Triad

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



50.0624, 55.4233, 39.9575



47.1820, 55.4233, 80.4633



61.4878, 55.4233, 65.5122

# Complementary

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



50.0624, 55.4233, 39.9575



36.2726, 35.4071, 58.9584

# 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.



59.3001, 55.4233, 78.1847



50.0624, 55.4233, 39.9575



50.9430, 55.4233, 87.5935

# Square

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



50.0624, 55.4233, 39.9575



44.9710, 55.4233, 68.2906



55.3835, 55.4233, 86.7054



61.2191, 55.4233, 53.0437



# Rectangle

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



50.0624, 55.4233, 39.9575



45.1413, 55.4233, 51.6910



55.3835, 55.4233, 86.7054



61.0105, 55.4233, 69.9182

# Sweetspot

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



50.0638, 55.4258, 39.9587



92.6830, 99.0531, 96.4389



41.6978, 38.6917, 37.1696



19.7853, 21.1804, 20.3647



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.



50.0638, 55.4258, 39.9587



86.4288, 96.5512, 63.5155



44.8715, 52.7490, 39.7157



11.5238, 12.4170, 11.3521



28.2741, 34.0712, 5.0862



1.3388, 1.6133, 0.2408



# Inverse Universe

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



36.2726, 35.4071, 58.9584



58.2860, 55.7005, 102.2870



40.7276, 37.7037, 59.1669



10.0568, 10.2876, 13.3731



6.6290, 2.6516, 34.9068



0.3139, 0.1256, 1.6528



# Previews

## White Background



This preview shows how the XYZ color 50.0624, 55.4233, 39.9575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

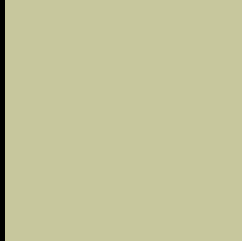
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0624, 55.4233, 39.9575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

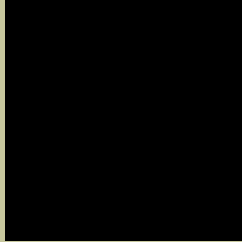
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

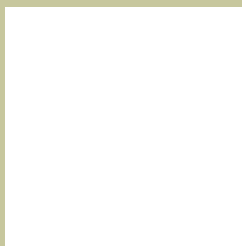
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.0624, 55.4233, 39.9575

## Background



This preview shows how black text looks on a background with the XYZ color 50.0624, 55.4233, 39.9575.



This preview shows how white text looks on a background with the XYZ color 50.0624, 55.4233,



# 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

50.0624, 55.4233, 39.9575

### Protanopia

52.0352, 55.4355, 39.4101

### Deuteranopia

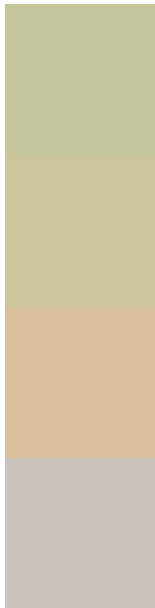
56.4505, 55.3924, 40.5174



## Tritanopia

55.5657, 55.3261, 66.7819

# Trichromacy



## Original Color

50.0624, 55.4233, 39.9575

## Protanomaly

51.1438, 55.3119, 39.4332

## Deuteranomaly

53.8568, 55.3603, 40.1948

## Tritanomaly

53.3290, 55.4008, 56.0268

# Monochromacy



## Original Color

50.0624, 55.4233, 39.9575

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

50.8454, 54.5518, 51.5658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0624, 55.4233, 39.9575 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(199, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 157)  
}
```

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(199, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0624, 55.4233, 39.9575 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(199, 199, 157) }
```



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

```
.border{ border-color:rgb(199, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 199, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 199, 157); box-shadow:4px 4px 4px 4px rgb(199, 199, 157) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0624, 55.4233, 39.9575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 157) }
```

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

```
.background{ background-color: rgb(199,  
199, 157) }
```

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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