

# Converting Colors

XYZ(55.5782, 54.6639, 38.6322)

Have a look what the booklet for  
XYZ(55.5782, 54.6639, 38.6322)  
contains.

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# Color

**XYZ(55.5782, 54.6639,  
38.6322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3BC9B
RGB	227, 188, 155
RGB Percent	89%, 74%, 61%
CMY	0.1098, 0.2627, 0.3922
CMYK	0.00, 0.17, 0.32, 0.11
HSL	28°, 56%, 75%
HSV	28°, 32%, 89%
XYZ	55.5782, 54.6639, 38.6322
YIQ	195.8990, 33.8370, -1.9950

# Conversions

## Conversions Part 2

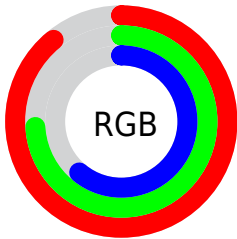
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">227, 216, 155</a>
Decimal	<a href="#">14924955</a>
CIELab	<a href="#">78.85, 9.29, 21.94</a>
CIElCh	<a href="#">79, 23.826, 67.059</a>
Yxy	<a href="#">54.6639, 0.3733, 0.3672</a>
Android (android.graphics.Color)	<a href="#">4293115035 (0xFFE3BC9B)</a>
YUV	<a href="#">195.8990, -20.1632, 27.2756</a>
Hunter-Lab	<a href="#">73.9350, 4.7951, 20.7746</a>

# Details

The XYZ color **55.5782, 54.6639, 38.6322** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.6739, 51.0966, 80.0759**, and the grayscale version is **52.5128, 55.2476, 60.1646**.

A 20% lighter version of the original color is **85.2235, 90.6145, 73.9714**, and **27.9572, 26.9853, 16.8319** is the 20% darker color. If you saturate the color by 10%, you get **51.3330, 48.9428, 28.6795**, and if you desaturate by 10%, it is **60.4084, 60.9810, 50.5492**.

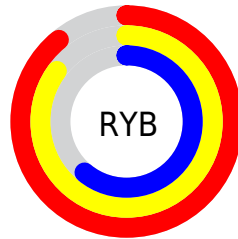
# Distribution



Red (89%)

Green (74%)

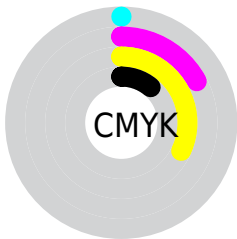
Blue (61%)



Red (89%)

Yellow (85%)

Blue (61%)

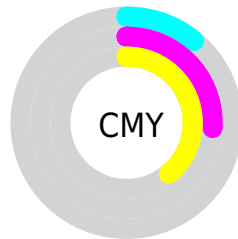


Cyan (0%)

Magenta (17%)

Yellow (32%)

Black (11%)



Cyan (11%)

Magenta (26%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5782, 54.6639, 38.6322 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 55.5782, 54.6639, 38.6322 by changing the saturation by 10% instead.





 55.5782, 54.6639,  
38.6322


 55.5782, 54.6639,  
38.6322


398.2008,  
404.6366, 355.7034

 40.1005, 39.1327,  
26.1681


 97.5310, 97.0483,  
74.2902

 27.8015, 26.8630,  
16.7225


 124.7368,  
124.6704, 98.3213

 18.3158, 17.4703,  
9.8770


156.5827,  
157.0915, 127.0450

 11.2780, 10.5704,  
5.2129

193.4340,  
194.6960, 160.8800

 6.3228, 5.7788,  
2.3118

235.6561,  
237.8684, 200.2448

 3.0849, 2.7110,  
0.7378

283.6144,

 1.1988, 0.9828,

286.9930, 245.5579

0.0000

337.6742,  
342.4543, 297.2380

■ 0.1054, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5782, 54.6639,  
38.6322

■ 55.5782, 54.6639,  
38.6322

■ 51.3330, 48.9428,  
28.6795

■ 60.4084, 60.9810,  
50.5492

■ 47.6428, 43.7908,  
20.5798

■ 65.8433, 67.9046,  
64.5265

■ 44.4813, 39.1902,  
14.2158

■ 71.9068, 75.4544,  
80.6581

■ 41.8176, 35.1190,  
9.4552

■ 78.6200, 83.6471,  
99.0310

■ 39.6170, 31.5532,  
6.1463

■ 83.7521, 91.5978,  
107.8737

■ 37.8389, 28.4660,  
4.1074

■ 85.4887, 95.0709,  
108.4525

■ 36.6347, 26.2430,  
3.1345

# Harmonies

## Analogous

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



59.5479, 54.6639, 45.1777



55.5782, 54.6639, 38.6322



50.8480, 54.6639, 37.2542

# Triad

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



55.5782, 54.6639, 38.6322



43.4526, 54.6639, 62.7746



57.6253, 54.6639, 82.7882

# Complementary

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



55.5782, 54.6639, 38.6322



46.6739, 51.0966, 80.0759

# 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.



53.0808, 54.6639, 89.2517



55.5782, 54.6639, 38.6322



45.0391, 54.6639, 76.6149

# Square

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



55.5782, 54.6639, 38.6322



44.0318, 54.6639, 49.9442



48.4955, 54.6639, 86.8365



60.7790, 54.6639, 70.2470



# Rectangle

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



55.5782, 54.6639, 38.6322



47.9326, 54.6639, 39.2276



48.4955, 54.6639, 86.8365



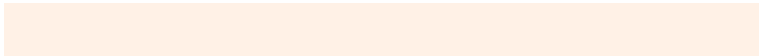
56.1994, 54.6639, 85.8240

# Sweetspot

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



55.5796, 54.6664, 38.6333



86.9641, 89.9678, 87.2773



53.2055, 43.6962, 57.0234



18.3851, 18.9694, 18.0801



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.



55.5796, 54.6664, 38.6333



68.6627, 66.2171, 41.5552



64.0899, 71.6871, 41.4701



14.9186, 15.4511, 15.1005



21.4791, 15.5324, 1.8660



1.6792, 1.3317, 0.1685

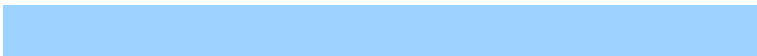


# Inverse Universe

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



46.6739, 51.0966, 80.0759



55.3606, 60.8799, 103.4409



39.7127, 37.1742, 77.7555



14.2263, 15.1740, 18.3234



12.3310, 11.7241, 43.9962



1.0039, 1.0517, 3.2821



# Previews

## White Background



This preview shows how the XYZ color 55.5782, 54.6639, 38.6322 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 55.5782, 54.6639, 38.6322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

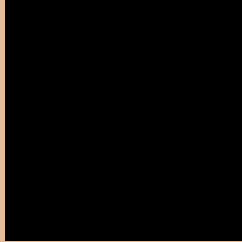
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.5782, 54.6639, 38.6322**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5782, 54.6639, 38.6322.



This preview shows how white text looks on a background with the XYZ color 55.5782, 54.6639,



# 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

55.5782, 54.6639, 38.6322

### Protanopia

51.4188, 54.7642, 40.2082

### Deuteranopia

55.8945, 54.8270, 38.6471



## Tritanopia

59.9705, 54.5972, 59.6021

# Trichromacy



## Original Color

55.5782, 54.6639, 38.6322

## Protanomaly

52.6670, 54.4297, 39.6284

## Deuteranomaly

55.8945, 54.8270, 38.6471

## Tritanomaly

58.1141, 54.4402, 51.1611

# Monochromacy



## Original Color

55.5782, 54.6639, 38.6322

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

53.1426, 54.7415, 51.4813

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5782, 54.6639, 38.6322 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(227, 188, 155)` looks like.

```
.text, #text, p{  
    color:rgb(227, 188, 155)  
}
```

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(227, 188, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 188, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5782, 54.6639, 38.6322 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(227, 188, 155) }
```



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

```
.border{ border-color:rgb(227, 188, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 188, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 188, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 188, 155);  
box-shadow:4px 4px 4px 4px rgb(227, 188,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5782, 54.6639, 38.6322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 188, 155) }
```

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

```
.background{ background-color: rgb(227,  
188, 155) }
```

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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