

# Converting Colors

XYZ(54.7014, 55.5550, 22.3261)

Have a look what the booklet for  
XYZ(54.7014, 55.5550, 22.3261)  
contains.

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# **Color**

**XYZ(54.6698, 55.5215,  
22.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8BF6D
RGB	232, 191, 109
RGB Percent	91%, 75%, 43%
CMY	0.0902, 0.2510, 0.5725
CMYK	0.00, 0.18, 0.53, 0.09
HSL	40°, 73%, 67%
HSV	40°, 53%, 91%
XYZ	54.6698, 55.5215, 22.3033
YIQ	193.9110, 50.7580, -16.8100

# Conversions

## Conversions Part 2

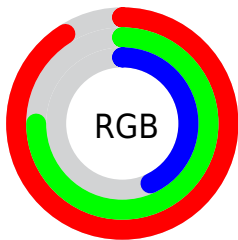
Format	Color
<a href="#">RYB</a>	<a href="#">171, 232, 109</a>
Decimal	<a href="#">15253357</a>
CIELab	<a href="#">79.34, 4.87, 46.48</a>
CIELCh	<a href="#">79, 46.739, 84.020</a>
Yxy	<a href="#">55.5215, 0.4126, 0.4190</a>
Android (android.graphics.Color)	<a href="#">4293443437</a> ( <a href="#">0xFFE8BF6D</a> )
YUV	<a href="#">193.9110, -41.8611, 33.4041</a>
Hunter-Lab	<a href="#">74.5128, 0.5676, 34.4121</a>

# Details

The XYZ color **54.6698, 55.5215, 22.3033** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.7781, 30.8889, 80.6309**, and the grayscale version is **51.4455, 54.1247, 58.9418**.

A 20% lighter version of the original color is **81.0224, 90.3902, 47.3591**, and **27.3078, 27.4811, 7.8681** is the 20% darker color. If you saturate the color by 10%, you get **51.9403, 51.8045, 16.0241**, and if you desaturate by 10%, it is **57.8205, 59.5537, 30.3500**.

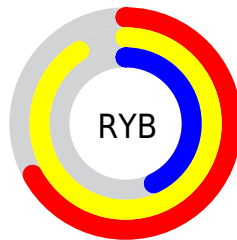
# Distribution



Red (91%)

Green (75%)

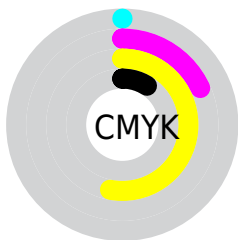
Blue (43%)



Red (67%)

Yellow (91%)

Blue (43%)

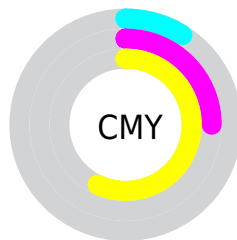


Cyan (0%)

Magenta (18%)

Yellow (53%)

Black (9%)



Cyan (9%)

Magenta (25%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6698, 55.5215, 22.3033 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 54.6698, 55.5215, 22.3033 by changing the saturation by 10% instead.





 54.6698, 55.5215,  
22.3033

 54.6698, 55.5215,  
22.3033


394.8158,  
407.8857, 277.1311

 39.3702, 39.8194,  
13.8795


 96.2081, 98.3046,  
48.1554


 27.2299, 27.3978,  
7.8991


 123.1776,  
126.1544, 66.4207

 17.8834, 17.8722,  
3.9436


 154.7677,  
158.8223, 88.8037

 10.9655, 10.8583,  
1.5945

 191.3439,  
196.6925, 115.7227

 6.1108, 5.9716,  
0.2869

233.2714,  
240.1496, 147.5965

 2.9538, 2.8278,  
0.0000

280.9157,

 1.1294, 1.0425,

289.5779, 184.8434

0.0000

334.6420,  
345.3618, 227.8821

■ 0.0495, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.6698, 55.5215,  
22.3033

■ 54.6698, 55.5215,  
22.3033

■ 51.9403, 51.8045,  
16.0241

■ 57.8205, 59.5537,  
30.3500

■ 49.6003, 48.3814,  
11.3689


■ 61.4136, 63.9054,  
40.2859


■ 47.6189, 45.2398,  
8.1770


■ 65.4730, 68.5902,  
52.2256


■ 45.9578, 42.3621,  
6.2526


■ 70.0199, 73.6187,  
66.2738


 44.9462, 40.4910,  
5.4466

 75.0738, 79.0008,  
82.5275

 80.6533, 84.7457,  
101.0781

 84.0209, 89.7604,  
107.5049

 86.4110, 94.5406,  
108.3016

 87.0886, 95.8957,  
108.5274

# Harmonies

## Analogous

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



64.0725, 55.5215, 27.5896



54.6698, 55.5215, 22.3033



45.7764, 55.5215, 24.5259

# Triad

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



54.6698, 55.5215, 22.3033



37.9745, 55.5215, 83.9667



68.7241, 55.5215, 96.0920

# Complementary

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



54.6698, 55.5215, 22.3033



31.7781, 30.8889, 80.6309

# 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.



60.4452, 55.5215, 120.8465



54.6698, 55.5215, 22.3033



42.8842, 55.5215, 112.5198

# Square

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



54.6698, 55.5215, 22.3033



36.8131, 55.5215, 55.2384



50.9177, 55.5215, 127.6095



72.7811, 55.5215, 65.9868



# Rectangle

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



54.6698, 55.5215, 22.3033



41.2222, 55.5215, 30.4369



50.9177, 55.5215, 127.6095



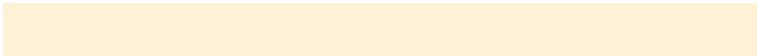
66.2986, 55.5215, 105.6338

# Sweetspot

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



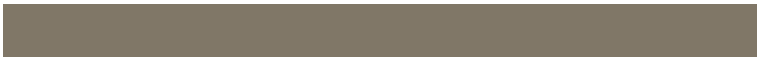
54.6711, 55.5242, 22.3044



84.9775, 89.2740, 76.5051



44.2526, 30.2956, 32.3700



17.9367, 18.8306, 15.5938



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.



54.6711, 55.5242, 22.3044



63.9583, 63.6197, 18.9883



58.6244, 72.7400, 25.4190



15.1757, 15.9653, 15.1862



25.0728, 22.7198, 3.0639



1.9373, 1.8480, 0.2546



# Inverse Universe

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



31.7781, 30.8889, 80.6309



32.7523, 30.1022, 98.6918



29.1640, 21.4705, 78.9507



13.9733, 14.6681, 18.2391



9.6756, 6.4132, 43.1111



0.7980, 0.6398, 3.2134



# Previews

## White Background



This preview shows how the XYZ color 54.6698, 55.5215, 22.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

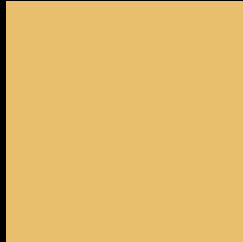
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6698, 55.5215, 22.3033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

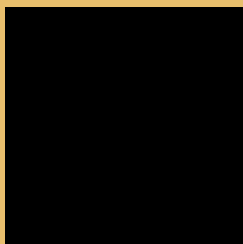
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.6698, 55.5215, 22.3033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6698, 55.5215, 22.3033.



This preview shows how white text looks on a background with the XYZ color 54.6698, 55.5215,



# 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

54.6698, 55.5215, 22.3033

### Protanopia

51.1544, 55.6791, 23.0899

### Deuteranopia

56.7329, 55.6175, 22.4970



## Tritanopia

62.3094, 55.5131, 59.0608

# Trichromacy



## Original Color

54.6698, 55.5215, 22.3033

## Protanomaly

52.4538, 55.6856, 22.7356

## Deuteranomaly

55.9371, 55.5255, 22.5211

## Tritanomaly

58.9749, 55.3828, 42.7036

# Monochromacy



## Original Color

54.6698, 55.5215, 22.3033

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.6932, 54.1942, 42.3863

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6698, 55.5215, 22.3033 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(232, 191, 109)` looks like.

```
.text, #text, p{  
    color:rgb(232, 191, 109)  
}
```

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(232, 191, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 191, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6698, 55.5215, 22.3033 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(232, 191, 109) }
```



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

```
.border{ border-color:rgb(232, 191, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 191, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 191, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 191, 109);  
box-shadow:4px 4px 4px 4px rgb(232, 191,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6698, 55.5215, 22.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 191, 109) }
```

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

```
.background{ background-color: rgb(232,  
191, 109) }
```

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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