

# Converting Colors

XYZ(55.0863, 63.6786, 45.4663)

Have a look what the booklet for  
XYZ(55.0863, 63.6786, 45.4663)  
contains.

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# Color

**XYZ(55.0028, 63.6334,  
45.4599)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8D7A6
RGB	200, 215, 166
RGB Percent	78%, 84%, 65%
CMY	0.2157, 0.1568, 0.3490
CMYK	0.07, 0.00, 0.23, 0.16
HSL	78°, 38%, 75%
HSV	78°, 23%, 84%
XYZ	55.0028, 63.6334, 45.4599
YIQ	204.9290, 6.7890, -18.4190

# Conversions

## Conversions Part 2

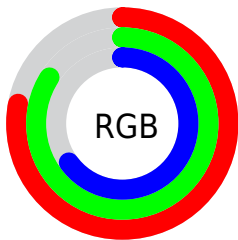
Format	Color
<a href="#">RYB</a>	<a href="#">166, 215, 181</a>
Decimal	<a href="#">13162406</a>
CIELab	<a href="#">83.77, -13.40, 22.54</a>
CIELCh	<a href="#">84, 26.225, 120.725</a>
Yxy	<a href="#">63.6334, 0.3352, 0.3878</a>
Android (android.graphics.Color)	<a href="#">4291352486</a> ( <a href="#">0xFFC8D7A6</a> )
YUV	<a href="#">204.9290, -19.1920, -4.3227</a>
Hunter-Lab	<a href="#">79.7705, -16.5204, 22.0510</a>

# Details

The XYZ color **55.0028, 63.6334, 45.4599** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.9605, 42.0042, 70.0314**, and the grayscale version is **58.0998, 61.1255, 66.5656**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **27.4621, 32.4675, 20.7390** is the 20% darker color. If you saturate the color by 10%, you get **51.4731, 62.0249, 35.8460**, and if you desaturate by 10%, it is **58.9413, 65.4185, 56.8167**.

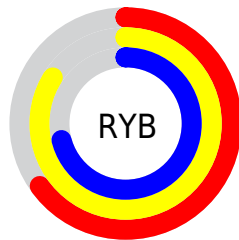
# Distribution



Red (78%)

Green (84%)

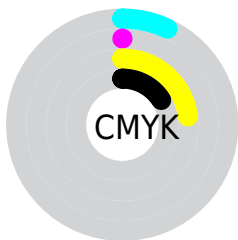
Blue (65%)



Red (65%)

Yellow (84%)

Blue (71%)

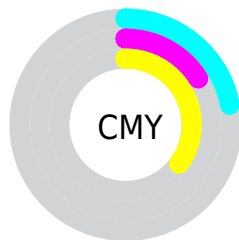


Cyan (7%)

Magenta (0%)

Yellow (23%)

Black (16%)



Cyan (22%)

Magenta (16%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0028, 63.6334, 45.4599 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 55.0028, 63.6334, 45.4599 by changing the saturation by 10% instead.





 55.0028, 63.6334,  
45.4599


 55.0028, 63.6334,  
45.4599

396.0588,  
437.8646, 384.8473

 39.6378, 46.3538,  
31.4742


 96.6934, 110.0828,  
84.7359

 27.4392, 32.5251,  
20.6988


 123.7496,  
140.0214, 110.8632

 18.0417, 21.7629,  
12.7149


155.4337,  
174.9485, 141.8750

 11.0798, 13.6828,  
7.1041

192.1110,  
215.2484, 178.1895

 6.1882, 7.9004,  
3.4479

234.1468,  
261.3056, 220.2255

 3.0016, 4.0313,  
1.3276

281.9064,

 1.1546, 1.6911,

313.5044, 268.4014

0.0843

335.7553,  
372.2293, 323.1359

0.0701, 0.4179,  
0.0000

0.0000, 0.0000,  
0.0000

55.0028, 63.6334,  
45.4599

55.0028, 63.6334,  
45.4599

51.4731, 62.0249,  
35.8460

58.9413, 65.4185,  
56.8167

48.3299, 60.5775,  
27.8845

63.2999, 67.3783,  
69.9925

45.5561, 59.2863,  
21.4832

68.0953, 69.5217,  
85.0641

43.1313, 58.1432,  
16.5389

73.3419, 71.8548,  
102.1026

■ 41.0324, 57.1388,  
12.9362

■ 75.9290, 73.1332,  
104.7220

■ 39.2332, 56.2624,  
10.5421

■ 78.1176, 74.2614,  
104.8244

■ 37.7023, 55.5014,  
9.1965

■ 80.3872, 75.4315,  
104.9306

■ 36.7276, 55.0093,  
8.6821

■ 82.7386, 76.6437,  
105.0407

■ 83.5917, 77.0835,  
105.0806

# Harmonies

## Analogous

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



60.3417, 63.6334, 42.1851



55.0028, 63.6334, 45.4599



51.3345, 63.6334, 54.9170

# Triad

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



55.0028, 63.6334, 45.4599



55.2308, 63.6334, 100.7657



72.2336, 63.6334, 68.8856

# Complementary

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



55.0028, 63.6334, 45.4599



44.9605, 42.0042, 70.0314

# 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.



70.6556, 63.6334, 85.9652



55.0028, 63.6334, 45.4599



60.6218, 63.6334, 106.0470

# Square

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



55.0028, 63.6334, 45.4599



51.4601, 63.6334, 86.7699



66.3127, 63.6334, 100.2516



70.5003, 63.6334, 54.3241



# Rectangle

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



55.0028, 63.6334, 45.4599



50.2057, 63.6334, 64.3033



66.3127, 63.6334, 100.2516



72.0719, 63.6334, 74.5196

# Sweetspot

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



55.0045, 63.6362, 45.4613



90.3257, 97.8813, 94.3680



51.3725, 50.1281, 43.0454



19.2494, 20.9129, 19.9443



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

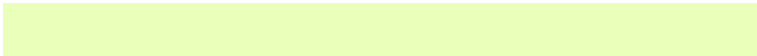


# Same Dimension

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



55.0045, 63.6362, 45.4613



78.5439, 92.5502, 60.2623



49.0447, 60.5638, 45.1824



13.0856, 14.3203, 13.2351



22.0789, 32.9584, 5.1979



1.4143, 2.0305, 0.3174



# Inverse Universe

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



44.9605, 42.0042, 70.0314



61.4373, 55.6998, 102.1208



51.1362, 45.1879, 70.3204



12.0967, 12.1912, 15.6531



8.7687, 3.6730, 38.6999

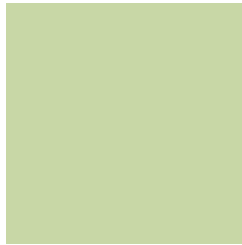


0.6125, 0.2647, 2.3381



# Previews

## White Background



This preview shows how the XYZ color 55.0028, 63.6334, 45.4599 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 55.0028, 63.6334, 45.4599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

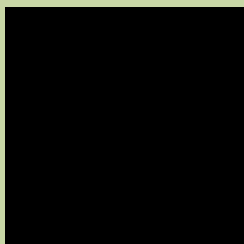
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

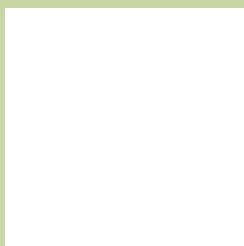
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.0028, 63.6334, 45.4599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0028, 63.6334, 45.4599.



This preview shows how white text looks on a background with the XYZ color 55.0028, 63.6334,

45.4599.

# 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

55.0028, 63.6334, 45.4599

### Protanopia

59.2909, 63.2857, 43.7407

### Deuteranopia

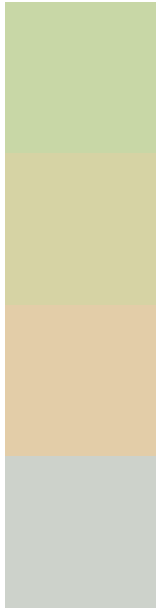
64.4337, 63.0504, 46.3100



## Tritanopia

61.7798, 63.4174, 79.5056

# Trichromacy



## Original Color

55.0028, 63.6334, 45.4599

## Protanomaly

57.7267, 63.5650, 44.3487

## Deuteranomaly

60.5778, 62.8207, 45.9786

## Tritanomaly

59.0029, 63.3841, 65.6245

# Monochromacy



## Original Color

55.0028, 63.6334, 45.4599

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

56.8330, 62.0590, 58.2734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0028, 63.6334, 45.4599 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(200, 215, 166)` looks like.

```
.text, #text, p{  
    color:rgb(200, 215, 166)  
}
```

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(200, 215, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 215, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0028, 63.6334, 45.4599 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(200, 215, 166) }
```



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

```
.border{ border-color:rgb(200, 215, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 215, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 215, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 215, 166);  
box-shadow:4px 4px 4px 4px rgb(200, 215,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0028, 63.6334, 45.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 215, 166) }
```

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

```
.background{ background-color: rgb(200,  
215, 166) }
```

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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