

# Converting Colors

XYZ(55.5339, 65.9968, 44.3712)

Have a look what the booklet for  
XYZ(55.5339, 65.9968, 44.3712)  
contains.

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# Color

**XYZ(55.4928, 65.8365,  
44.4333)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6DCA3
RGB	198, 220, 163
RGB Percent	78%, 86%, 64%
CMY	0.2235, 0.1372, 0.3608
CMYK	0.10, 0.00, 0.26, 0.14
HSL	83°, 45%, 75%
HSV	83°, 26%, 86%
XYZ	55.4928, 65.8365, 44.4333
YIQ	206.9240, 5.1850, -22.3910

# Conversions

## Conversions Part 2

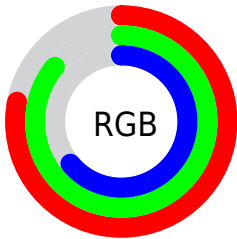
Format	Color
<a href="#">RYB</a>	<a href="#">163, 220, 185</a>
Decimal	<a href="#">13032611</a>
CIELab	<a href="#">84.91, -17.07, 25.64</a>
CIElCh	<a href="#">85, 30.804, 123.657</a>
Yxy	<a href="#">65.8365, 0.3348, 0.3972</a>
Android (android.graphics.Color)	<a href="#">4291222691 (0xFFC6DCA3)</a>
YUV	<a href="#">206.9240, -21.6545, -7.8263</a>
Hunter-Lab	<a href="#">81.1397, -19.9153, 24.3297</a>

# Details

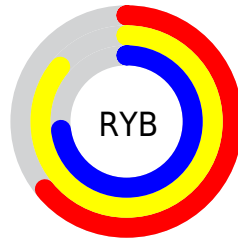
The XYZ color **55.4928, 65.8365, 44.4333** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.0256, 41.6778, 73.3325**, and the grayscale version is **59.3934, 62.4865, 68.0478**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **27.8260, 33.9873, 20.1325** is the 20% darker color. If you saturate the color by 10%, you get **51.5149, 63.9961, 34.8373**, and if you desaturate by 10%, it is **59.9426, 67.8845, 55.8441**.

# Distribution



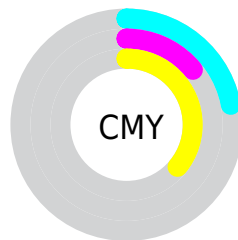
- Red (78%)
- Green (86%)
- Blue (64%)



- Red (64%)
- Yellow (86%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)




- Cyan (22%)
- Magenta (14%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4928, 65.8365, 44.4333 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 55.4928, 65.8365, 44.4333 by changing the saturation by 10% instead.




 55.4928, 65.8365,  
44.4333


 55.4928, 65.8365,  
44.4333

397.8833,  
445.7919, 380.5665

 40.0318, 48.1397,  
30.6716


 97.4067, 113.2516,  
83.1788

 27.7477, 33.9375,  
20.0925


 124.5904,  
143.7387, 108.9996

 18.2750, 22.8456,  
12.2776


156.4123,  
179.2581, 139.6773

 11.2485, 14.4795,  
6.8082

193.2378,  
220.1940, 175.6303

 6.3028, 8.4549,  
3.2658

235.4324,  
266.9310, 217.2772

 3.0724, 4.3874,  
1.2319

283.3612,

 1.1922, 1.8926,

319.8534, 265.0365

0.0050

337.3898,  
379.3456, 319.3267

0.1002, 0.5439,  
0.0000

0.0000, 0.0000,  
0.0000

55.4928, 65.8365,  
44.4333

55.4928, 65.8365,  
44.4333

51.5149, 63.9961,  
34.8373

59.9426, 67.8845,  
55.8441

47.9841, 62.3467,  
26.9582

64.8777, 70.1392,  
69.1523

44.8805, 60.8821,  
20.6954

70.3171, 72.6106,  
84.4405

42.1806, 59.5928,  
15.9360

76.2772, 75.3054,  
101.7854

■ 39.8581, 58.4680,  
12.5528

■ 79.7375, 77.0157,  
105.2706

■ 37.8825, 57.4952,  
10.3973

■ 82.6960, 78.5409,  
105.4091

■ 36.2167, 56.6593,  
9.2859

■ 84.8845, 79.6691,  
105.5115

■ 35.5989, 56.3465,  
8.9997

# Harmonies

## Analogous

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



61.7314, 65.8365, 40.0055



55.4928, 65.8365, 44.4333



51.4016, 65.8365, 56.0819

# Triad

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



55.4928, 65.8365, 44.4333



56.8596, 65.8365, 111.5061



76.8031, 65.8365, 69.2834

# Complementary

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



55.4928, 65.8365, 44.4333



46.0256, 41.6778, 73.3325

# 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.



75.2619, 65.8365, 89.9424



55.4928, 65.8365, 44.4333



63.4275, 65.8365, 116.7915

# Square

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



55.4928, 65.8365, 44.4333



52.1490, 65.8365, 94.9252



70.2368, 65.8365, 108.2773



74.3069, 65.8365, 52.5856



# Rectangle

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



55.4928, 65.8365, 44.4333



50.2705, 65.8365, 67.5600



70.2368, 65.8365, 108.2773



76.7408, 65.8365, 75.9740

# Sweetspot

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



55.4945, 65.8394, 44.4347



89.0996, 97.2920, 92.3778



53.4461, 52.4974, 41.9674



18.8424, 20.7202, 19.1506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

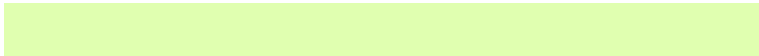


# Same Dimension

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



55.4945, 65.8394, 44.4347



74.4826, 90.5775, 54.6059



48.7081, 62.3409, 44.1171



13.6502, 14.9999, 13.9014



21.0196, 33.1335, 5.2876



1.4570, 2.1956, 0.3470



# Inverse Universe

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



46.0256, 41.6778, 73.3325



59.1484, 51.4395, 101.4191



53.5601, 45.5620, 73.6851



12.8116, 12.8610, 16.4593



9.8920, 4.2237, 40.0323

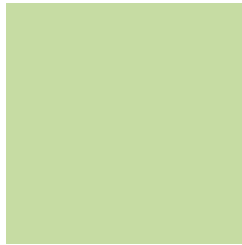


0.7354, 0.3224, 2.5979



# Previews

## White Background



This preview shows how the XYZ color 55.4928, 65.8365, 44.4333 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 55.4928, 65.8365, 44.4333 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 55.4928, 65.8365, 44.4333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4928, 65.8365, 44.4333.



This preview shows how white text looks on a background with the XYZ color 55.4928, 65.8365,



# 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

55.4928, 65.8365, 44.4333

### Protanopia

61.2308, 65.4226, 42.2015

### Deuteranopia

66.6888, 65.2760, 45.6439



## Tritanopia

63.0300, 65.4554, 82.7109

# Trichromacy



## Original Color

55.4928, 65.8365, 44.4333

## Protanomaly

58.7106, 65.2301, 42.7540

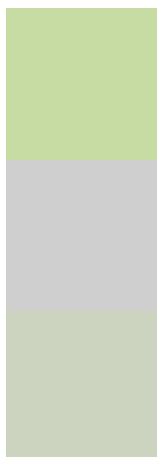
## Deuteranomaly

61.9965, 65.0121, 45.3574

## Tritanomaly

59.8475, 65.2901, 66.5747

# Monochromacy



## Original Color

55.4928, 65.8365, 44.4333

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.8493, 63.6859, 58.5338

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4928, 65.8365, 44.4333 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(198, 220, 163)` looks like.

```
.text, #text, p{  
    color:rgb(198, 220, 163)  
}
```

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(198, 220, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 220, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4928, 65.8365, 44.4333 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(198, 220, 163) }
```



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

```
.border{ border-color:rgb(198, 220, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 220, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 220, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 220, 163); box-shadow:4px 4px 4px 4px rgb(198, 220, 163) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4928, 65.8365, 44.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 220, 163) }
```

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

```
.background{ background-color: rgb(198,  
220, 163) }
```

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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