

# Converting Colors

XYZ(45.2363, 55.1932, 35.7503)

Have a look what the booklet for  
XYZ(45.2363, 55.1932, 35.7503)  
contains.

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# Color

**XYZ(45.2292, 55.1163,  
35.8584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CD93
RGB	177, 205, 147
RGB Percent	69%, 80%, 58%
CMY	0.3059, 0.1961, 0.4235
CMYK	0.14, 0.00, 0.28, 0.20
HSL	89°, 37%, 69%
HSV	89°, 28%, 80%
XYZ	45.2292, 55.1163, 35.8584
YIQ	190.0160, 1.9300, -23.9740

# Conversions

## Conversions Part 2

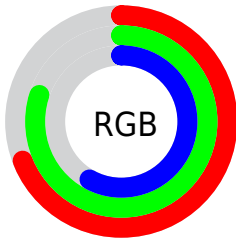
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 205, 175
Decimal	11652499
CIELab	79.11, -19.59, 25.86
CIELCh	79, 32.447, 127.141
Yxy	55.1163, 0.3321, 0.4047
Android (android.graphics.Color)	4289842579 (0xFFB1CD93)
YUV	190.0160, -21.2069, -11.4150
Hunter-Lab	74.2404, -21.1737, 23.3309

# Details

The XYZ color **45.2292, 55.1163, 35.8584** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.1346, 34.3907, 62.3360**, and the grayscale version is **49.0715, 51.6270, 56.2218**.

A 20% lighter version of the original color is **79.9069, 93.0607, 69.0093**, and **21.4901, 27.2628, 15.1959** is the 20% darker color. If you saturate the color by 10%, you get **41.5888, 53.4109, 28.0261**, and if you desaturate by 10%, it is **49.3227, 57.0255, 45.2106**.

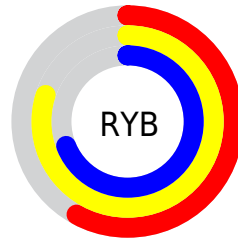
# Distribution



Red (69%)

Green (80%)

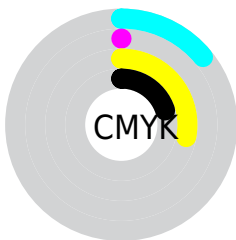
Blue (58%)



Red (58%)

Yellow (80%)

Blue (69%)

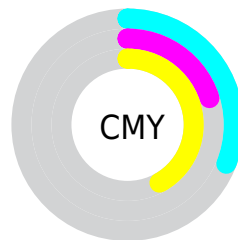


Cyan (14%)

Magenta (0%)

Yellow (28%)

Black (20%)



Cyan (31%)

Magenta (20%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2292, 55.1163, 35.8584 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 45.2292, 55.1163, 35.8584 by changing the saturation by 10% instead.



■ 45.2292, 55.1163,  
35.8584

■ 45.2292, 55.1163,  
35.8584

358.4691,  
406.3526, 343.3599

■ 31.8400, 39.4948,  
24.0360

■ 82.2992, 97.7113,  
69.9800

■ 21.3943, 27.1449,  
15.1479

■ 106.7107,  
125.4537, 93.1164

■ 13.5266, 17.6821,  
8.7755

135.5271,  
158.0052, 120.8611

■ 7.8717, 10.7220,  
4.5002

169.1137,  
195.7501, 153.6328

■ 4.0641, 5.8802,  
1.9036

207.8359,  
239.0729, 191.8500

■ 1.7384, 2.7724,  
0.4950

252.0589,

■ 0.4801, 1.0141,

288.3580, 235.9312

0.0000

302.1482,  
343.9898, 286.2950

■ 0.0000, 0.0000,  
0.0000

■ 45.2292, 55.1163,  
35.8584

■ 45.2292, 55.1163,  
35.8584

■ 41.5888, 53.4109,  
28.0261

■ 49.3227, 57.0255,  
45.2106

■ 38.3787, 51.8942,  
21.6297

■ 53.8824, 59.1387,  
56.1535

■ 35.5799, 50.5602,  
16.5828


■ 58.9263, 61.4651,  
68.7579


■ 33.1703, 49.3996,  
12.7878


■ 64.4699, 64.0115,  
83.0890


■ 31.1253, 48.4019,  
10.1344


■ 70.5278, 66.7839,  
99.2088


 29.4162, 47.5554,  
8.4928

 74.6032, 68.7841,  
103.9524

 28.0015, 46.8429,  
7.6662

 77.9885, 70.5293,  
104.1108

 27.7795, 46.7307,  
7.5558

 81.1224, 72.1449,  
104.2575

# Harmonies

## Analogous

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



50.8552, 55.1163, 31.1505



45.2292, 55.1163, 35.8584



41.7400, 55.1163, 47.2103

# Triad

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



45.2292, 55.1163, 35.8584



47.7014, 55.1163, 99.1876



65.7234, 55.1163, 55.6916

# Complementary

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



45.2292, 55.1163, 35.8584



39.1346, 34.3907, 62.3360

# 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.



64.7047, 55.1163, 74.9417



45.2292, 55.1163, 35.8584



53.9480, 55.1163, 102.7541

# Square

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



45.2292, 55.1163, 35.8584



43.0832, 55.1163, 84.1935



60.2614, 55.1163, 93.1246



62.9408, 55.1163, 40.9705



# Rectangle

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



45.2292, 55.1163, 35.8584



40.9192, 55.1163, 58.2531



60.2614, 55.1163, 93.1246



65.8177, 55.1163, 61.8065

# Sweetspot

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



45.2306, 55.1187, 35.8596



88.4064, 96.9347, 92.3453



45.5943, 45.3855, 33.9617



18.6677, 20.6301, 19.1425



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

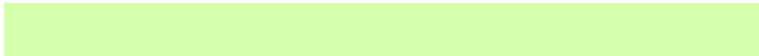


# Same Dimension

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



45.2306, 55.1187, 35.8596



70.3372, 88.5255, 50.5725



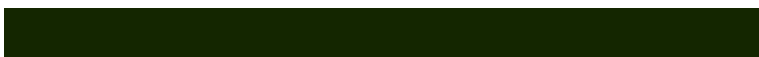
39.4817, 52.1550, 35.5905



11.6122, 12.8175, 11.9414



17.4033, 29.1470, 4.7087



0.9852, 1.5487, 0.2470



# Inverse Universe

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



39.1346, 34.3907, 62.3360



58.7319, 49.0612, 100.9820



46.1020, 37.9825, 62.6621



11.1086, 11.1053, 14.1284



10.1704, 4.4506, 36.2793



0.6122, 0.2747, 1.8757



# Previews

## White Background



This preview shows how the XYZ color 45.2292, 55.1163, 35.8584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

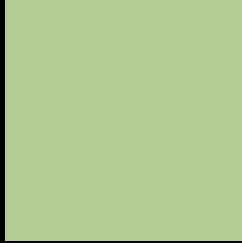
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2292, 55.1163, 35.8584 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 45.2292, 55.1163, 35.8584**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2292, 55.1163, 35.8584.



This preview shows how white text looks on a background with the XYZ color 45.2292, 55.1163,

35.8584.

# 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

45.2292, 55.1163, 35.8584

### Protanopia

51.0514, 54.7150, 33.8570

### Deuteranopia

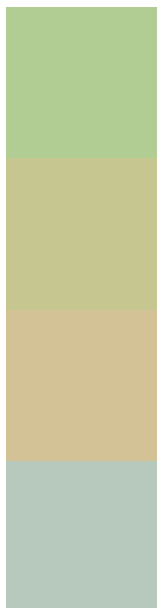
55.8822, 54.8588, 36.9217



## Tritanopia

52.3434, 55.2508, 70.1930

# Trichromacy



## Original Color

45.2292, 55.1163, 35.8584

## Protanomaly

48.7462, 54.8662, 34.4066

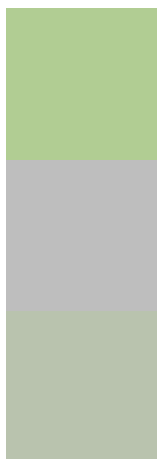
## Deuteranomaly

51.3751, 54.4872, 36.6635

## Tritanomaly

49.2598, 55.0067, 55.5980

# Monochromacy



## Original Color

45.2292, 55.1163, 35.8584

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.1627, 52.4005, 47.6730

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2292, 55.1163, 35.8584 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(177, 205, 147)` looks like.

```
.text, #text, p{  
    color:rgb(177, 205, 147)  
}
```

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(177, 205, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 205, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2292, 55.1163, 35.8584 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(177, 205, 147) }
```



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

```
.border{ border-color:rgb(177, 205, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 205, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 205, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 205, 147);  
box-shadow:4px 4px 4px 4px rgb(177, 205,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2292, 55.1163, 35.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 205, 147) }
```

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

```
.background{ background-color: rgb(177,  
205, 147) }
```

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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