

# Converting Colors

XYZ(45.4450, 58.6433, 30.7539)

Have a look what the booklet for  
XYZ(45.4450, 58.6433, 30.7539)  
contains.

<b>XYZ(45.4450, 58.6433, 30.7539)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.4450, 58.6433,  
30.7539)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADD684
RGB	173, 214, 132
RGB Percent	68%, 84%, 52%
CMY	0.3216, 0.1608, 0.4823
CMYK	0.19, 0.00, 0.38, 0.16
HSL	90°, 50%, 68%
HSV	90°, 38%, 84%
XYZ	45.4450, 58.6433, 30.7539
YIQ	192.3930, 1.8860, -34.1940

# Conversions

## Conversions Part 2

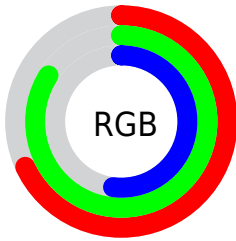
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 214, 173
Decimal	11392644
CIELab	81.10, -27.54, 36.18
CIELCh	81, 45.468, 127.272
Yxy	58.6433, 0.3370, 0.4349
Android (android.graphics.Color)	4289582724 (0xFFADD684)
YUV	192.3930, -29.7737, -17.0077
Hunter-Lab	76.5789, -28.0840, 29.7945

# Details

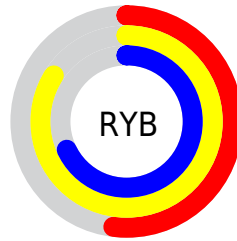
The XYZ color **45.4450, 58.6433, 30.7539** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.6249, 30.2435, 67.4761**, and the grayscale version is **50.5020, 53.1320, 57.8608**.

A 20% lighter version of the original color is **77.2561, 91.8882, 60.1187**, and **21.4911, 29.3123, 12.3097** is the 20% darker color. If you saturate the color by 10%, you get **41.8563, 56.9473, 23.7101**, and if you desaturate by 10%, it is **49.5266, 60.5623, 39.3911**.

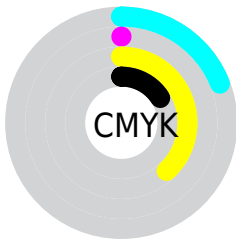
# Distribution



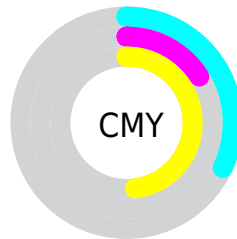
- Red (68%)
- Green (84%)
- Blue (52%)



- Red (52%)
- Yellow (84%)
- Blue (68%)



- Cyan (19%)
- Magenta (0%)
- Yellow (38%)
- Black (16%)



- Cyan (32%)
- Magenta (16%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4450, 58.6433, 30.7539 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 45.4450, 58.6433, 30.7539 by changing the saturation by 10% instead.



■ 45.4450, 58.6433,  
30.7539

■ 45.4450, 58.6433,  
30.7539

359.3263,  
419.5788, 319.7189

■ 32.0109, 42.3260,  
20.1546

■ 82.6207, 102.8591,  
61.9274

■ 21.5254, 29.3567,  
12.3223

■ 107.0930,  
131.5264, 83.3388

■ 13.6232, 19.3508,  
6.8384

■ 135.9754,  
165.0791, 109.1912

■ 7.9390, 11.9240,  
3.2843

169.6333,  
203.9017, 139.9033

■ 4.1074, 6.6920,  
1.2416

208.4319,  
248.3786, 175.8936

■ 1.7631, 3.2702,  
0.0132

252.7368,

■ 0.4953, 1.2744,

298.8942, 217.5806

0.0000

302.9131,  
355.8327, 265.3829

■ 0.0000, 0.1212,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.4450, 58.6433,  
30.7539

■ 45.4450, 58.6433,  
30.7539

■ 41.8563, 56.9473,  
23.7101

■ 49.5266, 60.5623,  
39.3911

■ 38.7332, 55.4569,  
18.1584

■ 54.1179, 62.7057,  
49.7074

■ 36.0521, 54.1642,  
13.9916

■ 59.2403, 65.0843,  
61.7865

■ 33.7849, 53.0573,  
11.0868

■ 64.9122, 67.7060,  
75.7059

■ 31.8991, 52.1228,  
9.2992

■ 71.1514, 70.5785,  
91.5380

■ 30.3488, 51.3416,  
8.4137

■ 77.0920, 73.3557,  
104.7036

■ 30.1105, 51.2210,  
8.2997

■ 80.7766, 75.2552,  
104.8761

■ 83.3378, 76.5756,  
104.9959

# Harmonies

## Analogous

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



53.4708, 58.6433, 24.8989



45.4450, 58.6433, 30.7539



40.6057, 58.6433, 45.7865

# Triad

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



45.4450, 58.6433, 30.7539



49.0103, 58.6433, 124.8661



75.7711, 58.6433, 57.4910

# Complementary

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



45.4450, 58.6433, 30.7539



37.6249, 30.2435, 67.4761

# Split Complementary

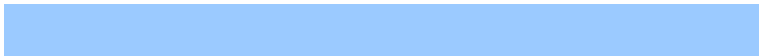
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2298, 58.6433, 86.1375



45.4450, 58.6433, 30.7539



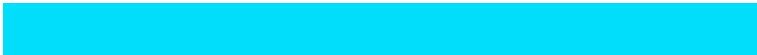
58.0699, 58.6433, 130.6157

# Square

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



45.4450, 58.6433, 30.7539



42.4959, 58.6433, 100.8272



67.4801, 58.6433, 114.8485



71.4811, 58.6433, 37.2430



# Rectangle

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



45.4450, 58.6433, 30.7539



39.4905, 58.6433, 61.4079



67.4801, 58.6433, 114.8485



75.9252, 58.6433, 66.3613

# Sweetspot

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



45.4465, 58.6459, 30.7552



85.8849, 95.7595, 86.5937



46.8423, 45.8514, 28.2120



18.1561, 20.3912, 17.9963



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

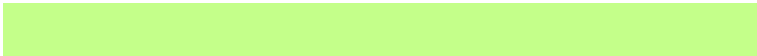


# Same Dimension

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



45.4465, 58.6459, 30.7552



63.1806, 85.1284, 37.0325



37.7289, 54.6673, 30.3940



12.8480, 14.1979, 13.2240



18.3190, 31.0201, 5.0220



1.2004, 1.9202, 0.3074



# Inverse Universe

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



37.6249, 30.2435, 67.4761



49.9528, 37.0944, 99.1349



48.1228, 35.6553, 67.9674



12.3283, 12.3107, 15.6639



11.1220, 4.8861, 38.8101



0.7663, 0.3439, 2.3453



# Previews

## White Background



This preview shows how the XYZ color 45.4450, 58.6433, 30.7539 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 45.4450, 58.6433, 30.7539 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

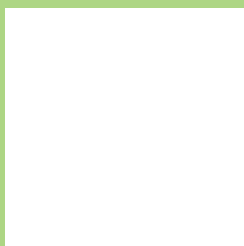
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.4450, 58.6433, 30.7539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4450, 58.6433, 30.7539.



This preview shows how white text looks on a background with the XYZ color 45.4450, 58.6433,

30.7539.

# 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

45.4450, 58.6433, 30.7539

### Protanopia

53.9308, 58.3657, 28.5019

### Deuteranopia

59.3002, 58.0307, 31.7425



## Tritanopia

54.5239, 58.3183, 76.0930

# Trichromacy



## Original Color

45.4450, 58.6433, 30.7539

## Protanomaly

50.3909, 58.2841, 29.3630

## Deuteranomaly

53.3464, 57.6568, 31.2389

## Tritanomaly

50.4460, 58.0802, 56.1288

# Monochromacy



## Original Color

45.4450, 58.6433, 30.7539

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

47.9176, 54.5251, 46.0291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4450, 58.6433, 30.7539 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(173, 214, 132)` looks like.

```
.text, #text, p{  
    color:rgb(173, 214, 132)  
}
```

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(173, 214, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 214, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4450, 58.6433, 30.7539 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(173, 214, 132) }
```



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

```
.border{ border-color:rgb(173, 214, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 214, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 214, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 214, 132);  
box-shadow:4px 4px 4px 4px rgb(173, 214,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4450, 58.6433, 30.7539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 214, 132) }
```

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

```
.background{ background-color: rgb(173,  
214, 132) }
```

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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