

# Converting Colors

XYZ(30.4121, 45.4612, 23.4144)

Have a look what the booklet for  
XYZ(30.4121, 45.4612, 23.4144)  
contains.

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# Color

**XYZ(30.3588, 45.2708,  
23.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C673
RGB	115, 198, 115
RGB Percent	45%, 78%, 45%
CMY	0.5490, 0.2235, 0.5490
CMYK	0.42, 0.00, 0.42, 0.22
HSL	120°, 42%, 61%
HSV	120°, 42%, 78%
XYZ	30.3588, 45.2708, 23.3577
YIQ	163.7210, -22.8250, -43.4090

# Conversions

## Conversions Part 2

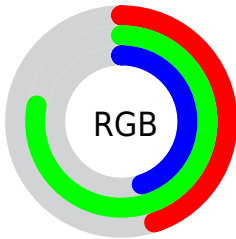
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 198, 198
Decimal	7587443
CIELab	73.07, -42.14, 33.84
CIELCh	73, 54.046, 141.230
Yxy	45.2708, 0.3067, 0.4573
Android (android.graphics.Color)	4285777523 (0xFF73C673)
YUV	163.7210, -24.0195, -42.7283
Hunter-Lab	67.2836, -37.2059, 26.5158

# Details

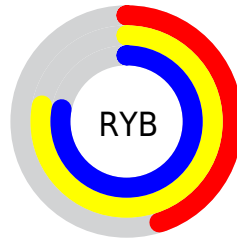
The XYZ color **30.3588, 45.2708, 23.3577** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.6139, 28.3452, 56.8108**, and the grayscale version is **35.2732, 37.1101, 40.4129**.

A 20% lighter version of the original color is **59.6225, 83.0051, 49.9249**, and **12.6401, 20.9872, 8.3858** is the 20% darker color. If you saturate the color by 10%, you get **27.0099, 43.6635, 17.8791**, and if you desaturate by 10%, it is **34.5139, 47.2681, 30.1533**.

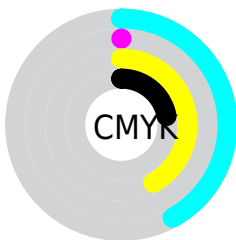
# Distribution



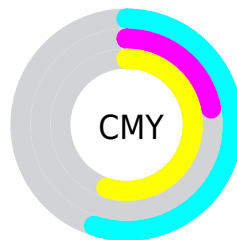
- Red (45%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)



- Cyan (55%)
- Magenta (22%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3588, 45.2708, 23.3577 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 30.3588, 45.2708, 23.3577 by changing the saturation by 10% instead.



■ 30.3588, 45.2708,  
23.3577

■ 30.3588, 45.2708,  
23.3577

295.4532,  
367.8692, 282.7382

■ 20.2605, 31.6708,  
14.6501

■ 59.6119, 83.1266,  
49.9106

■ 12.6939, 21.1102,  
8.4303

■ 79.4974, 108.1512,  
68.5930

■ 7.2937, 13.2045,  
4.2798

■ 103.3760,  
137.7528, 91.4374

■ 3.6944, 7.5696,  
1.7801

131.6131,  
172.3157, 118.8623

■ 1.5307, 3.8208,  
0.4148

164.5740,  
212.2245, 151.2863

■ 0.3466, 1.5738,  
0.0000

202.6241,

■ 0.0000, 0.3399,

257.8634, 189.1279

0.0000

246.1287,  
309.6168, 232.8057

0.0000, 0.0000,  
0.0000

30.3588, 45.2708,  
23.3577

30.3588, 45.2708,  
23.3577

27.0099, 43.6635,  
17.8791

34.5139, 47.2681,  
30.1533

24.4118, 42.4155,  
13.6294

39.5192, 49.6724,  
38.3403

22.5077, 41.5009,  
10.5148


45.4195, 52.5066,  
47.9912


21.2310, 40.8876,  
8.4264

52.2554, 55.7902,  
59.1726

20.5022, 40.5375,  
7.2343

60.0652, 59.5417,  
71.9468

 20.1950, 40.3900,  
6.7318

 68.8849, 63.7782,  
86.3728

 78.7488, 68.5163,  
102.5068

 79.4850, 68.8700,  
103.7117

# Harmonies

## Analogous

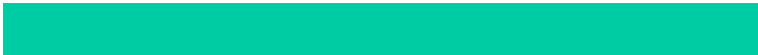
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7781, 45.2708, 14.9553



30.3588, 45.2708, 23.3577



27.4520, 45.2708, 41.7755

# Triad

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



30.3588, 45.2708, 23.3577



40.3169, 45.2708, 120.6898



62.2869, 45.2708, 32.7466

# Complementary

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



30.3588, 45.2708, 23.3577



39.6139, 28.3452, 56.8108

# 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.



63.6023, 45.2708, 57.6605



30.3588, 45.2708, 23.3577



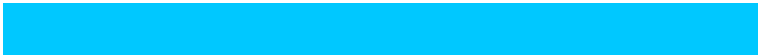
49.9498, 45.2708, 115.4567

# Square

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



30.3588, 45.2708, 23.3577



32.6231, 45.2708, 102.0196



58.8083, 45.2708, 89.5904



55.4402, 45.2708, 18.8317

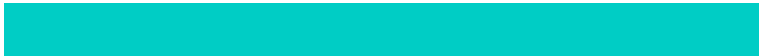


# Rectangle

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



30.3588, 45.2708, 23.3577



27.5525, 45.2708, 60.1378



58.8083, 45.2708, 89.5904



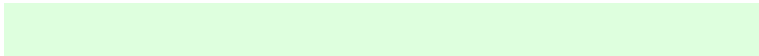
63.4267, 45.2708, 39.8359

# Sweetspot

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



30.3599, 45.2727, 23.3587



79.0031, 92.2918, 82.6525



46.5793, 53.6341, 24.1173



16.3887, 19.5039, 16.8385



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.



30.3599, 45.2727, 23.3587



48.4507, 77.6160, 32.6786



33.3087, 46.4522, 38.8866



10.4975, 11.8879, 11.3041



13.1328, 26.2655, 4.3777



0.6218, 1.2437, 0.2073



# Inverse Universe

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



39.6139, 28.3452, 56.8108



66.9437, 43.7881, 99.5292



35.4639, 26.6853, 34.9576



11.0831, 10.8166, 13.4211



21.7738, 10.4591, 35.6140



1.0310, 0.4952, 1.6863



# Previews

## White Background



This preview shows how the XYZ color 30.3588, 45.2708, 23.3577 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 30.3588, 45.2708, 23.3577 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 30.3588, 45.2708, 23.3577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3588, 45.2708, 23.3577.



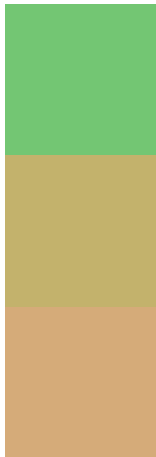
This preview shows how white text looks on a background with the XYZ color 30.3588, 45.2708,



# 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

30.3588, 45.2708, 23.3577

### Protanopia

41.1328, 44.5256, 20.6137

### Deuteranopia

45.4547, 44.6524, 24.3122



## Tritanopia

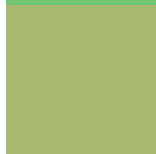
38.4356, 45.2648, 63.2111

# Trichromacy



## Original Color

30.3588, 45.2708, 23.3577



## Protanomaly

35.9441, 43.9526, 21.6282



## Deuteranomaly

37.9851, 43.7268, 23.8908



## Tritanomaly

34.8045, 45.0752, 45.3941

# Monochromacy



## Original Color

30.3588, 45.2708, 23.3577



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.5677, 39.2370, 33.0511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3588, 45.2708, 23.3577 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(115, 198, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 198, 115)  
}
```

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(115, 198, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 198, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3588, 45.2708, 23.3577 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(115, 198, 115) }
```



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

```
.border{ border-color:rgb(115, 198, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 198, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 198, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 198, 115);  
box-shadow:4px 4px 4px 4px rgb(115, 198,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3588, 45.2708, 23.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 198, 115) }
```

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

```
.background{ background-color: rgb(115,  
198, 115) }
```

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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