

# Converting Colors

XYZ(33.6608, 52.6414, 23.7899)

Have a look what the booklet for  
XYZ(33.6608, 52.6414, 23.7899)  
contains.

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# Color

**XYZ(33.6533, 52.7077,  
23.7291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D670
RGB	112, 214, 112
RGB Percent	44%, 84%, 44%
CMY	0.5608, 0.1608, 0.5608
CMYK	0.48, 0.00, 0.48, 0.16
HSL	120°, 55%, 64%
HSV	120°, 48%, 84%
XYZ	33.6533, 52.7077, 23.7291
YIQ	171.8740, -28.0500, -53.3460

# Conversions

## Conversions Part 2

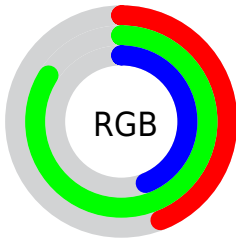
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 214, 214
Decimal	7394928
CIELab	77.70, -50.16, 41.20
CIELCh	78, 64.913, 140.604
Yxy	52.7077, 0.3057, 0.4788
Android (android.graphics.Color)	4285585008 (0xFF70D670)
YUV	171.8740, -29.5179, -52.5095
Hunter-Lab	72.6001, -44.3076, 31.4413

# Details

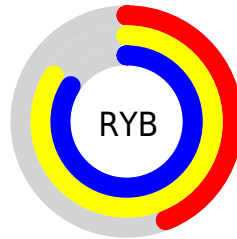
The XYZ color **33.6533, 52.7077, 23.7291** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.6649, 30.7405, 67.1467**, and the grayscale version is **39.3048, 41.3517, 45.0320**.

A 20% lighter version of the original color is **58.9137, 82.6716, 48.4495**, and **14.4853, 25.5207, 8.5774** is the 20% darker color. If you saturate the color by 10%, you get **30.1939, 51.0476, 18.0697**, and if you desaturate by 10%, it is **38.0455, 54.8191, 30.9124**.

# Distribution



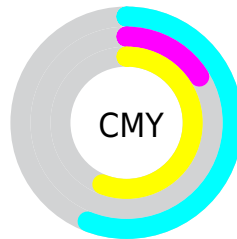
- Red (44%)
- Green (84%)
- Blue (44%)



- Red (44%)
- Yellow (84%)
- Blue (84%)



- Cyan (48%)
- Magenta (0%)
- Yellow (48%)
- Black (16%)



- Cyan (56%)
- Magenta (16%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6533, 52.7077, 23.7291 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 33.6533, 52.7077, 23.7291 by changing the saturation by 10% instead.



■ 33.6533, 52.7077,  
23.7291

■ 33.6533, 52.7077,  
23.7291

310.1965,  
397.1627, 284.6903

■ 22.7890, 37.5695,  
14.9224

■ 64.7420, 94.1741,  
50.5260

■ 14.5576, 25.6487,  
8.6190

■ 85.6972, 121.2711,  
69.3534

■ 8.5938, 16.5610,  
4.4001

■ 110.7467,  
153.1231, 92.3581

■ 4.5322, 9.9220,  
1.8473

140.2559,  
190.1146, 119.9587

■ 2.0074, 5.3473,  
0.4589

174.5901,  
232.6299, 152.5736

■ 0.6381, 2.4524,  
0.0000

214.1147,

■ 0.0000, 0.8527,

281.0534, 190.6215

0.0000

259.1951,  
335.7695, 234.5209

■ 0.0000, 0.0000,  
0.0000

■ 33.6533, 52.7077,  
23.7291

■ 33.6533, 52.7077,  
23.7291

■ 30.1939, 51.0476,  
18.0697

■ 38.0455, 54.8191,  
30.9124

■ 27.5965, 49.7999,  
13.8211

■ 43.4270, 57.4041,  
39.7149

■ 25.7865, 48.9305,  
10.8604


■ 49.8544, 60.4915,  
50.2281


■ 24.6749, 48.3965,  
9.0420


■ 57.3790, 64.1059,  
62.5358

■ 24.1376, 48.1384,  
8.1631

■ 66.0485, 68.2704,  
76.7163

 24.0476, 48.0952,  
8.0160

 75.9081, 73.0064,  
92.8433

 83.3376, 76.5752,  
104.9959

# Harmonies

## Analogous

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



42.0686, 52.7077, 13.9375



33.6533, 52.7077, 23.7291



29.8454, 52.7077, 46.8205

# Triad

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



33.6533, 52.7077, 23.7291



46.2562, 52.7077, 156.2679



76.2787, 52.7077, 36.3258

# Complementary

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



33.6533, 52.7077, 23.7291



45.6649, 30.7405, 67.1467

# 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.



77.9060, 52.7077, 69.4406



33.6533, 52.7077, 23.7291



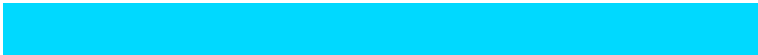
59.0870, 52.7077, 149.5482

# Square

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



33.6533, 52.7077, 23.7291



36.2772, 52.7077, 129.1649



71.1775, 52.7077, 113.4431



67.0445, 52.7077, 18.8121

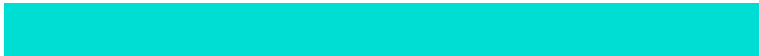


# Rectangle

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



33.6533, 52.7077, 23.7291



29.9081, 52.7077, 71.0839



71.1775, 52.7077, 113.4431



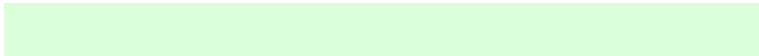
77.7874, 52.7077, 45.5780

# Sweetspot

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



33.6546, 52.7099, 23.7303



77.8896, 91.7570, 80.8311



54.7050, 63.5618, 24.7150



16.1696, 19.3987, 16.4802



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.



33.6546, 52.7099, 23.7303



44.9425, 75.9308, 26.9402



37.3409, 54.1844, 43.1421



12.2625, 13.8960, 13.1966



14.5346, 29.0692, 4.8449



0.8767, 1.7533, 0.2922



# Inverse Universe

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



45.6649, 30.7405, 67.1467



64.8279, 39.5563, 98.8241



40.1381, 28.5298, 38.0428



12.9531, 12.6327, 15.6931



24.0981, 11.5755, 39.4160



1.4535, 0.6982, 2.3774



# Previews

## White Background



This preview shows how the XYZ color 33.6533, 52.7077, 23.7291 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 33.6533, 52.7077, 23.7291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

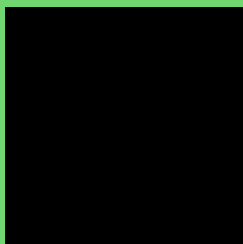
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.6533, 52.7077, 23.7291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.6533, 52.7077, 23.7291.



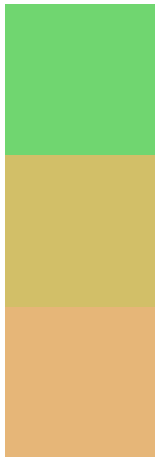
This preview shows how white text looks on a background with the XYZ color 33.6533, 52.7077, 23.7291.



# 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

33.6533, 52.7077, 23.7291

### Protanopia

47.7078, 51.9627, 20.6120

### Deuteranopia

52.7512, 51.6350, 24.9556



## Tritanopia

43.6069, 52.3713, 74.1400

# Trichromacy



## Original Color

33.6533, 52.7077, 23.7291



## Protanomaly

40.5328, 50.9071, 21.5997



## Deuteranomaly

42.9962, 50.4327, 24.2980



## Tritanomaly

38.8122, 51.8329, 50.6070

# Monochromacy



## Original Color

33.6533, 52.7077, 23.7291



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

35.8530, 44.2267, 35.5011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.6533, 52.7077, 23.7291 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(112, 214, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 214, 112)  
}
```

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(112, 214, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 214, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 33.6533, 52.7077, 23.7291 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(112, 214, 112) }
```



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

```
.border{ border-color:rgb(112, 214, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 214, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 214, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 214, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 214,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.6533, 52.7077, 23.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 214, 112) }
```

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

```
.background{ background-color: rgb(112,  
214, 112) }
```

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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