

# Converting Colors

XYZ(35.1444, 45.7582, 67.3014)

Have a look what the booklet for  
XYZ(35.1444, 45.7582, 67.3014)  
contains.

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# Color

**XYZ(35.1436, 45.7575,  
67.3014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59C3D1
RGB	89, 195, 209
RGB Percent	35%, 76%, 82%
CMY	0.6510, 0.2353, 0.1804
CMYK	0.57, 0.07, 0.00, 0.18
HSL	187°, 57%, 58%
HSV	187°, 57%, 82%
XYZ	35.1436, 45.7575, 67.3014
YIQ	164.9020, -67.6700, -18.1180

# Conversions

## Conversions Part 2

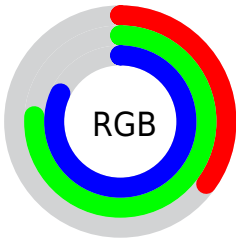
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 145, 209
Decimal	5882833
CIELab	73.39, -26.42, -16.25
CIELCh	73, 31.018, 211.593
Yxy	45.7575, 0.2371, 0.3087
Android (android.graphics.Color)	4284072913 (0xFF59C3D1)
YUV	164.9020, 21.7403, -66.5661
Hunter-Lab	67.6443, -25.6404, -11.6385

# Details

The XYZ color **35.1436, 45.7575, 67.3014** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.9491, 23.9784, 12.3444**, and the grayscale version is **35.6411, 37.4972, 40.8344**.

A 20% lighter version of the original color is **65.2548, 83.2304, 107.2335**, and **15.4538, 21.4228, 34.3309** is the 20% darker color. If you saturate the color by 10%, you get **32.8740, 43.7841, 67.0409**, and if you desaturate by 10%, it is **37.9942, 48.0457, 67.5937**.

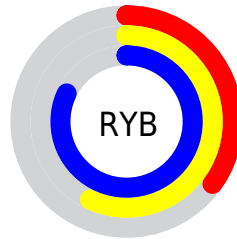
# Distribution



Red (35%)

Green (76%)

Blue (82%)



Red (35%)

Yellow (57%)

Blue (82%)

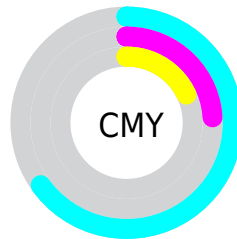


Cyan (57%)

Magenta (7%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (24%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1436, 45.7575, 67.3014 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 35.1436, 45.7575, 67.3014 by changing the saturation by 10% instead.



■ 35.1436, 45.7575,  
67.3014

■ 35.1436, 45.7575,  
67.3014

316.6986,  
369.8329, 469.5475

■ 23.9405, 32.0545,  
48.8665

■ 67.0407, 83.8560,  
116.9969

■ 15.4140, 21.4031,  
34.1487

■ 88.4655, 109.0202,  
149.0946

■ 9.1987, 13.4190,  
22.7296

■ 114.0282,  
138.7737, 186.5836

■ 4.9291, 7.7177,  
14.1905

■ 144.0943,  
173.5007, 229.8825

■ 2.2401, 3.9148,  
8.1130

179.0290,  
213.5858, 279.4098

■ 0.7637, 1.6260,  
4.0786

219.1977,

■ 0.0000, 0.3751,

259.4132, 335.5840

1.6685

264.9658,  
311.3675, 398.8238

■ 0.0000, 0.0000,  
0.3390

■ 0.0000, 0.0000,  
0.0000

■ 35.1436, 45.7575,  
67.3014

■ 35.1436, 45.7575,  
67.3014

■ 32.8740, 43.7841,  
67.0409

■ 37.9942, 48.0457,  
67.5937

■ 31.1315, 42.0946,  
66.8067

■ 41.4653, 50.6661,  
67.9165

■ 29.8594, 40.6606,  
66.5970

■ 45.5980, 53.6409,  
68.2729

■ 28.9778, 39.4411,  
66.4080

■ 50.4285, 56.9888,  
68.6645

■ 28.7783, 39.1425,  
66.3609

■ 55.9905, 60.7274,  
69.0930

■ 62.3152, 64.8727,  
69.5597

■ 69.4324, 69.4401,  
70.0662

■ 76.9242, 74.2143,  
70.5929

■ 77.5478, 75.4616,  
70.8008

# Harmonies

## Analogous

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



33.8137, 45.7575, 50.6629



35.1436, 45.7575, 67.3014



38.6830, 45.7575, 81.2424

# Triad

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



35.1436, 45.7575, 67.3014



53.3998, 45.7575, 65.5472



43.1998, 45.7575, 25.3958

# Complementary

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



35.1436, 45.7575, 67.3014



32.9491, 23.9784, 12.3444

# 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.



48.6820, 45.7575, 27.7701



35.1436, 45.7575, 67.3014



54.8584, 45.7575, 48.9907

# Square

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



35.1436, 45.7575, 67.3014



49.2291, 45.7575, 80.0896



53.0657, 45.7575, 35.6661



38.2173, 45.7575, 28.3402



# Rectangle

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



35.1436, 45.7575, 67.3014



41.9734, 45.7575, 85.8990



53.0657, 45.7575, 35.6661



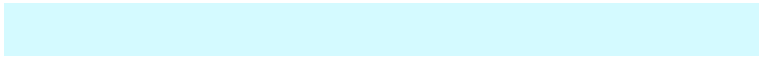
45.0450, 45.7575, 25.5952

# Sweetspot

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



35.1450, 45.7592, 67.3025



79.2684, 89.5008, 107.7052



29.2705, 48.6654, 20.1642



16.6166, 18.9175, 23.0256



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

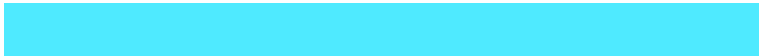


# Same Dimension

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



35.1450, 45.7592, 67.3025



50.8366, 68.0003, 105.0538



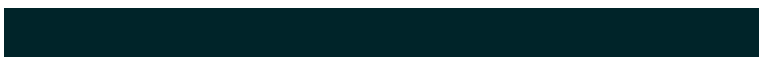
24.5756, 24.6203, 63.7793



12.0357, 13.1617, 15.1498



17.7906, 24.2279, 40.9313



1.0289, 1.4229, 2.3000



# Inverse Universe

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



39.7184, 24.6416, 54.2944



58.9591, 32.8270, 81.4282



40.8438, 39.7678, 14.9759



12.2489, 11.9843, 14.5867



21.6106, 10.5171, 29.1854

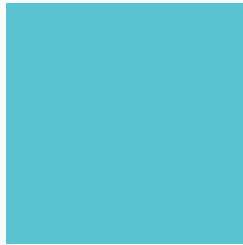


1.2255, 0.5949, 1.7225



# Previews

## White Background



This preview shows how the XYZ color 35.1436, 45.7575, 67.3014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

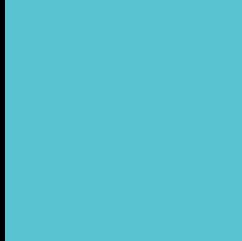
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1436, 45.7575, 67.3014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

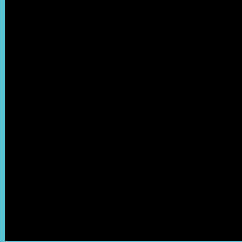
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 35.1436, 45.7575, 67.3014

## Background



This preview shows how black text looks on a background with the XYZ color 35.1436, 45.7575, 67.3014.



This preview shows how white text looks on a background with the XYZ color 35.1436, 45.7575,



# 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

35.1436, 45.7575, 67.3014

### Protanopia

44.2449, 45.2651, 59.8312

### Deuteranopia

46.1626, 45.1673, 69.2359



## Tritanopia

35.4894, 45.9070, 68.6185

# Trichromacy



**Original Color**

35.1436, 45.7575, 67.3014

**Protanomaly**

39.4782, 44.5650, 62.3983

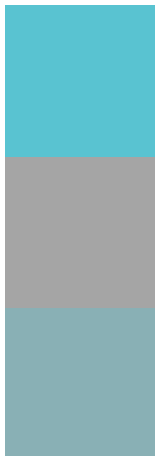
**Deuteranomaly**

40.6442, 44.4124, 68.7176

**Tritanomaly**

35.3644, 45.8570, 67.9602

# Monochromacy



**Original Color**

35.1436, 45.7575, 67.3014

**Achromatopsia**

35.7637, 37.6262, 40.9749

**Achromatomaly**

34.1824, 39.7052, 49.5783

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1436, 45.7575, 67.3014 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(89, 195, 209)` looks like.

```
.text, #text, p{  
    color:rgb(89, 195, 209)  
}
```

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(89, 195, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 195, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1436, 45.7575, 67.3014 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(89, 195, 209) }
```



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

```
.border{ border-color:rgb(89, 195, 209) }
```

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

Here you see how a box with a 4 pixel rgb(89, 195, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 195, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 195, 209);  
box-shadow:4px 4px 4px 4px rgb(89, 195,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1436, 45.7575, 67.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 195, 209) }
```

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

```
.background{ background-color: rgb(89, 195,  
209) }
```

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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