

# Converting Colors

XYZ(35.0236, 46.7740, 64.3091)

Have a look what the booklet for  
XYZ(35.0236, 46.7740, 64.3091)  
contains.

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# Color

**XYZ(35.0236, 46.7740,  
64.3091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57C6CC
RGB	87, 198, 204
RGB Percent	34%, 78%, 80%
CMY	0.6588, 0.2235, 0.2000
CMYK	0.57, 0.03, 0.00, 0.20
HSL	183°, 53%, 57%
HSV	183°, 57%, 80%
XYZ	35.0236, 46.7740, 64.3091
YIQ	165.4950, -68.0820, -21.6660

# Conversions

## Conversions Part 2

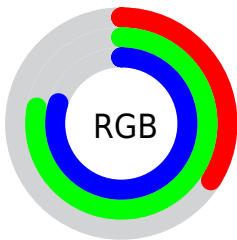
Format	Color
R <sub>Y</sub> B	87, 144, 204
Decimal	5752524
CIE Lab	74.04, -29.66, -12.55
CIE LCh	74, 32.209, 202.939
Yxy	46.7740, 0.2397, 0.3201
Android (android.graphics.Color)	4283942604 (0xFF57C6CC)
YUV	165.4950, 18.9830, -68.8401
Hunter-Lab	68.3915, -28.2745, -7.8768

# Details

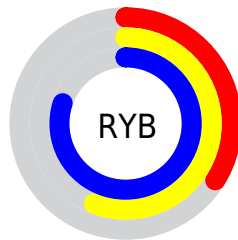
The XYZ color **35.0236, 46.7740, 64.3091** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.5374, 21.3551, 11.5304**, and the grayscale version is **35.9383, 37.8099, 41.1750**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **15.4783, 22.1485, 32.3135** is the 20% darker color. If you saturate the color by 10%, you get **33.1435, 45.4522, 64.1539**, and if you desaturate by 10%, it is **37.4462, 48.3801, 64.4923**.

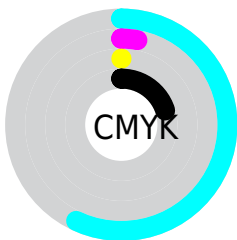
# Distribution



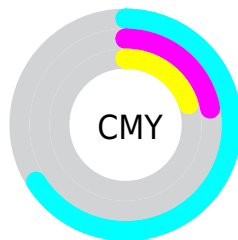
- Red (34%)
- Green (78%)
- Blue (80%)



- Red (34%)
- Yellow (56%)
- Blue (80%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)



- Cyan (66%)
- Magenta (22%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0236, 46.7740, 64.3091 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 35.0236, 46.7740, 64.3091 by changing the saturation by 10% instead.



35.0236, 46.7740,  
64.3091

35.0236, 46.7740,  
64.3091

316.1787,  
373.9117, 458.5431

23.8477, 32.8570,  
46.4533

66.8561, 85.3762,  
112.6597

15.3448, 22.0169,  
32.2524

88.2434, 110.8302,  
143.9916

9.1496, 13.8693,  
21.2880

113.7651,  
140.8986, 180.6526

4.8968, 8.0299,  
13.1414

143.7867,  
175.9660, 223.0612

2.2210, 4.1141,  
7.3941

178.6735,  
216.4165, 271.6361

0.7538, 1.7376,  
3.6276

218.7909,

0.0000, 0.4478,

262.6347, 326.7956

1.4234

264.5042,  
315.0050, 388.9584

■ 0.0000, 0.0000,  
0.1598

■ 0.0000, 0.0000,  
0.0000

■ 35.0236, 46.7740,  
64.3091

■ 35.0236, 46.7740,  
64.3091

■ 33.1435, 45.4522,  
64.1539

■ 37.4462, 48.3801,  
64.4923

■ 31.7552, 44.3852,  
64.0211

■ 40.4484, 50.2864,  
64.7020

■ 30.8052, 43.5467,  
63.9093

■ 44.0687, 52.5138,  
64.9411

■ 30.2185, 42.8979,  
63.8150

■ 48.3414, 55.0799,  
65.2112

■ 30.0893, 42.7399,  
63.7913

■ 53.2979, 58.0011,  
65.5138

■ 58.9679, 61.2926,  
65.8503

■ 65.3792, 64.9687,  
66.2219

■ 72.5582, 69.0430,  
66.6300

■ 74.5530, 70.4473,  
66.7959

# Harmonies

## Analogous

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



34.3530, 46.7740, 47.1309



35.0236, 46.7740, 64.3091



38.1150, 46.7740, 80.6426

# Triad

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



35.0236, 46.7740, 64.3091



53.8873, 46.7740, 72.5205



45.8318, 46.7740, 25.5036

# Complementary

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



35.0236, 46.7740, 64.3091



30.5374, 21.3551, 11.5304

# 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.



51.4668, 46.7740, 29.5907



35.0236, 46.7740, 64.3091



56.3709, 46.7740, 54.9258

# Square

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



35.0236, 46.7740, 64.3091



48.9121, 46.7740, 86.0529



55.4489, 46.7740, 39.5467



40.2815, 46.7740, 26.9596



# Rectangle

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



35.0236, 46.7740, 64.3091



41.2884, 46.7740, 87.6396



55.4489, 46.7740, 39.5467



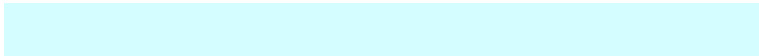
47.7843, 46.7740, 26.2387

# Sweetspot

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



35.0250, 46.7758, 64.3102



80.1557, 91.2752, 108.0010



27.4935, 46.0006, 17.7523



16.8284, 19.3412, 23.0962



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.



35.0250, 46.7758, 64.3102



54.2281, 74.7833, 106.1842



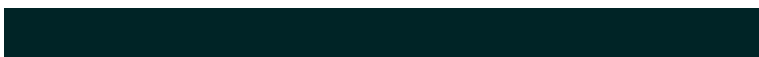
24.1578, 25.0413, 60.6878



11.4921, 12.6246, 14.4015



18.9597, 26.9434, 40.1576



0.9936, 1.4209, 2.0768



# Inverse Universe

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



38.5042, 23.7322, 55.9793



60.6710, 33.5117, 90.4428



37.7463, 35.7728, 13.9334



11.6617, 11.3934, 14.0193



21.7809, 10.5229, 32.8944

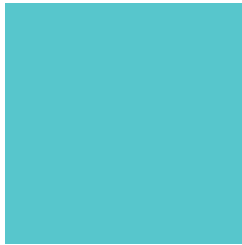


1.1314, 0.5460, 1.7380



# Previews

## White Background



This preview shows how the XYZ color 35.0236, 46.7740, 64.3091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

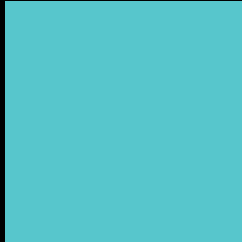
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0236, 46.7740, 64.3091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

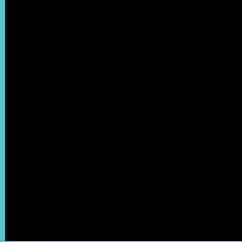
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

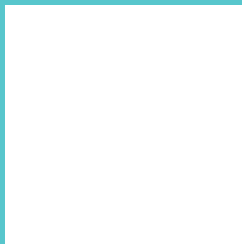
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0236, 46.7740, 64.3091**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0236, 46.7740, 64.3091.



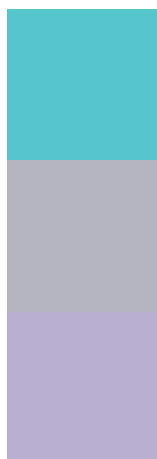
This preview shows how white text looks on a background with the XYZ color 35.0236, 46.7740,



# 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

35.0236, 46.7740, 64.3091

### Protanopia

45.0030, 46.3165, 57.0202

### Deuteranopia

47.0415, 45.9684, 66.7150



## Tritanopia

36.2909, 46.9607, 70.1024

# Trichromacy



## Original Color

35.0236, 46.7740, 64.3091

## Protanomaly

39.8810, 45.7749, 59.5568

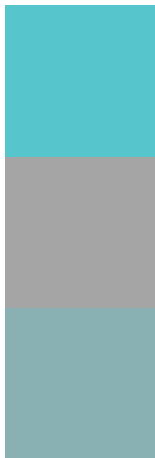
## Deuteranomaly

40.7974, 45.1755, 65.6010

## Tritanomaly

35.8156, 46.7593, 68.1105

# Monochromacy



## Original Color

35.0236, 46.7740, 64.3091

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.1754, 40.0173, 48.5707

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0236, 46.7740, 64.3091 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(87, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(87, 198, 204)  
}
```

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(87, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 198, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0236, 46.7740, 64.3091 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(87, 198, 204) }
```



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

```
.border{ border-color:rgb(87, 198, 204) }
```

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

Here you see how a box with a 4 pixel rgb(87, 198, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(87, 198,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0236, 46.7740, 64.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 198, 204) }
```

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

```
.background{ background-color: rgb(87, 198,  
204) }
```

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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