

# Converting Colors

XYZ(35.6259, 45.6790, 64.0660)

Have a look what the booklet for  
XYZ(35.6259, 45.6790, 64.0660)  
contains.

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# Color

**XYZ(35.6704, 45.7680,  
64.0808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66C2CC
RGB	102, 194, 204
RGB Percent	40%, 76%, 80%
CMY	0.6000, 0.2392, 0.2000
CMYK	0.50, 0.05, 0.00, 0.20
HSL	186°, 50%, 60%
HSV	186°, 50%, 80%
XYZ	35.6704, 45.7680, 64.0808
YIQ	167.6320, -58.0420, -16.3940

# Conversions

## Conversions Part 2

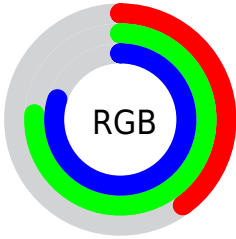
Format	Color
<a href="#">RYB</a>	<a href="#">102, 150, 204</a>
Decimal	<a href="#">6734540</a>
CIELab	<a href="#">73.39, -24.67, -13.48</a>
CIELCh	<a href="#">73, 28.107, 208.649</a>
Yxy	<a href="#">45.7680, 0.2451, 0.3145</a>
Android (android.graphics.Color)	<a href="#">4284924620</a> ( <a href="#">0xFF66C2CC</a> )
YUV	<a href="#">167.6320, 17.9294, -57.5593</a>
Hunter-Lab	<a href="#">67.6521, -24.2747, -8.8037</a>

# Details

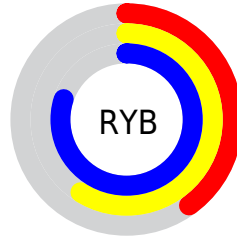
The XYZ color **35.6704, 45.7680, 64.0808** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0952, 25.3860, 15.7274**, and the grayscale version is **36.9758, 38.9014, 42.3636**.

A 20% lighter version of the original color is **67.0444, 83.6879, 107.2275**, and **15.7198, 21.3895, 32.1542** is the 20% darker color. If you saturate the color by 10%, you get **33.1951, 43.8367, 63.8393**, and if you desaturate by 10%, it is **38.7234, 48.0081, 64.3531**.

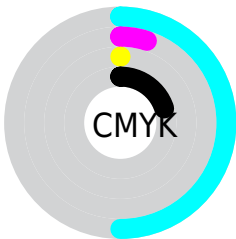
# Distribution



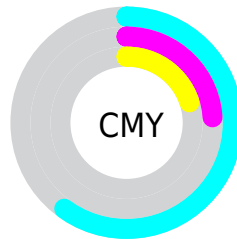
- Red (40%)
- Green (76%)
- Blue (80%)



- Red (40%)
- Yellow (59%)
- Blue (80%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (24%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6704, 45.7680, 64.0808 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 35.6704, 45.7680, 64.0808 by changing the saturation by 10% instead.



■ 35.6704, 45.7680,  
64.0808

■ 35.6704, 45.7680,  
64.0808

318.9740,  
369.8751, 457.6968

■ 24.3487, 32.0628,  
46.2695

■ 67.8502, 83.8717,  
112.3279

■ 15.7186, 21.4095,  
32.1084

■ 89.4391, 109.0389,  
143.6008

■ 9.4148, 13.4236,  
21.1788

■ 115.1810,  
138.7957, 180.1979

■ 5.0720, 7.7209,  
13.0622

■ 145.4413,  
173.5263, 222.5379

■ 2.3248, 3.9169,  
7.3402

180.5854,  
213.6151, 271.0392

■ 0.8073, 1.6272,  
3.5941

220.9787,

■ 0.0000, 0.3758,

259.4466, 326.1205

1.4054

266.9864,  
311.4052, 388.2002

■ 0.0000, 0.0000,  
0.1459

■ 0.0000, 0.0000,  
0.0000

■ 35.6704, 45.7680,  
64.0808

■ 35.6704, 45.7680,  
64.0808

■ 33.1951, 43.8367,  
63.8393

■ 38.7234, 48.0081,  
64.3531

■ 31.2506, 42.1868,  
63.6233


■ 42.3879, 50.5713,  
64.6547


■ 29.7900, 40.7953,  
63.4317


■ 46.7004, 53.4775,  
64.9884


■ 28.7558, 39.6323,  
63.2618


■ 51.6931, 56.7434,  
65.3556


 28.0407, 38.6426,  
63.1084


 57.3959, 60.3844,  
65.7578

 28.0406, 38.6424,  
63.1084

 63.8373, 64.4152,  
66.1963

 71.0439, 68.8496,  
66.6724

 75.1860, 71.7133,  
67.0069

 75.6829, 72.7069,  
67.1725

# Harmonies

## Analogous

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



34.6614, 45.7680, 49.1935



35.6704, 45.7680, 64.0808



38.7339, 45.7680, 76.9304

# Triad

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



35.6704, 45.7680, 64.0808



52.1477, 45.7680, 65.4065



43.7260, 45.7680, 27.2450

# Complementary

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



35.6704, 45.7680, 64.0808



33.0952, 25.3860, 15.7274

# 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.



48.6443, 45.7680, 29.9887



35.6704, 45.7680, 64.0808



53.7289, 45.7680, 50.4792

# Square

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



35.6704, 45.7680, 64.0808



48.2266, 45.7680, 77.7922



52.4014, 45.7680, 37.8720



39.0948, 45.7680, 29.5328



# Rectangle

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



35.6704, 45.7680, 64.0808



41.6542, 45.7680, 81.6275



52.4014, 45.7680, 37.8720



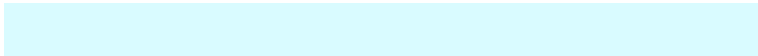
45.4018, 45.7680, 27.5980

# Sweetspot

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



35.6718, 45.7698, 64.0819



81.1665, 91.0844, 107.9109



29.9153, 47.1482, 22.4202



17.0018, 19.2522, 23.0699



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

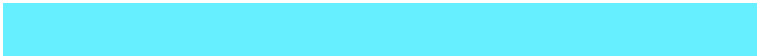


# Same Dimension

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



35.6718, 45.7698, 64.0819



54.6902, 72.3663, 105.6934



26.4290, 27.2842, 61.0009



11.4456, 12.5317, 14.3860



17.6871, 24.3982, 39.7334



0.9403, 1.3144, 2.0591



# Inverse Universe

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



39.3920, 26.2365, 54.0288



61.7199, 37.0541, 86.3390



40.1336, 39.4628, 18.0735



11.6383, 11.3841, 13.8959



21.1386, 10.2660, 29.5120

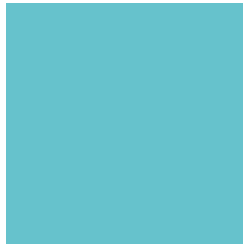


1.1046, 0.5352, 1.5966



# Previews

## White Background



This preview shows how the XYZ color 35.6704, 45.7680, 64.0808 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 35.6704, 45.7680, 64.0808 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

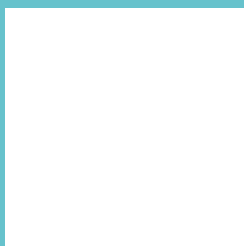
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.6704, 45.7680, 64.0808**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6704, 45.7680, 64.0808.



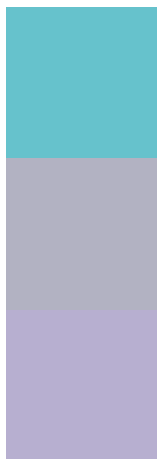
This preview shows how white text looks on a background with the XYZ color 35.6704, 45.7680,



# 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

35.6704, 45.7680, 64.0808

### Protanopia

44.0181, 45.2008, 57.4436

### Deuteranopia

46.2436, 45.2813, 65.9774



## Tritanopia

36.2875, 45.6864, 67.2274

# Trichromacy



## Original Color

35.6704, 45.7680, 64.0808

## Protanomaly

39.9112, 44.8422, 59.9780

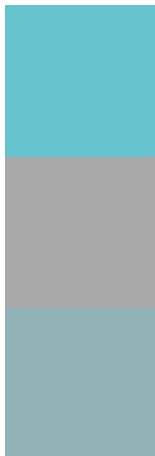
## Deuteranomaly

41.3169, 44.8309, 65.5071

## Tritanomaly

35.9260, 45.5285, 65.9259

# Monochromacy



## Original Color

35.6704, 45.7680, 64.0808

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

35.5642, 40.7098, 49.6994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6704, 45.7680, 64.0808 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(102, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 194, 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(102, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 194, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6704, 45.7680, 64.0808 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(102, 194, 204) }
```



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

```
.border{ border-color:rgb(102, 194, 204) }
```

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

Here you see how a box with a 4 pixel rgb(102, 194, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 194,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6704, 45.7680, 64.0808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 194, 204) }
```

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

```
.background{ background-color: rgb(102,  
194, 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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