

# Converting Colors

XYZ(35.0702, 45.5170, 46.4724)

Have a look what the booklet for  
XYZ(35.0702, 45.5170, 46.4724)  
contains.

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# Color

**XYZ(35.0702, 45.5170,  
46.4724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DC1AD
RGB	125, 193, 173
RGB Percent	49%, 76%, 68%
CMY	0.5098, 0.2431, 0.3216
CMYK	0.35, 0.00, 0.10, 0.24
HSL	162°, 35%, 62%
HSV	162°, 35%, 76%
XYZ	35.0702, 45.5170, 46.4724
YIQ	170.3880, -34.1080, -20.6360

# Conversions

## Conversions Part 2

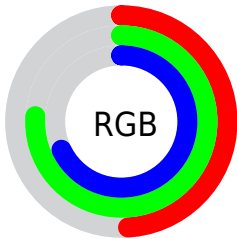
Format	Color
<a href="#">RYB</a>	<a href="#">125, 165, 193</a>
Decimal	<a href="#">8241581</a>
CIELab	<a href="#">73.23, -25.99, 3.26</a>
CIElCh	<a href="#">73, 26.199, 172.843</a>
Yxy	<a href="#">45.5170, 0.2760, 0.3582</a>
Android (android.graphics.Color)	<a href="#">4286431661 (0xFF7DC1AD)</a>
YUV	<a href="#">170.3880, 1.2877, -39.8053</a>
Hunter-Lab	<a href="#">67.4663, -25.2785, 6.3860</a>

# Details

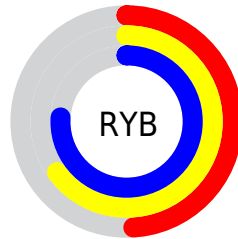
The XYZ color **35.0702, 45.5170, 46.4724** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4383, 28.0502, 30.3889**, and the grayscale version is **38.4091, 40.4093, 44.0058**.

A 20% lighter version of the original color is **67.0116, 83.6759, 86.0180**, and **15.3563, 21.2234, 21.3763** is the 20% darker color. If you saturate the color by 10%, you get **31.9843, 43.9895, 43.5217**, and if you desaturate by 10%, it is **38.7295, 47.3398, 49.5738**.

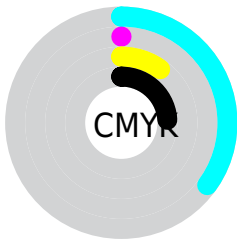
# Distribution



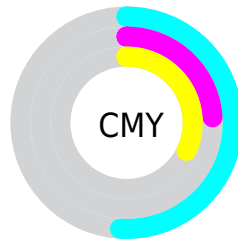
- Red (49%)
- Green (76%)
- Blue (68%)



- Red (49%)
- Yellow (65%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)




- Cyan (51%)
- Magenta (24%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0702, 45.5170, 46.4724 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 35.0702, 45.5170, 46.4724 by changing the saturation by 10% instead.




 35.0702, 45.5170,  
46.4724


 35.0702, 45.5170,  
46.4724


316.3807,  
368.8634, 389.0372

 23.8837, 31.8648,  
32.2674


 66.9278, 83.4957,  
86.2673

 15.3717, 21.2583,  
21.2993


 88.3297, 108.5910,  
112.6942

 9.1686, 13.3129,  
13.1496


 113.8673,  
138.2695, 144.0322

 4.9093, 7.6444,  
7.3997

143.9062,  
172.9156, 180.6999

 2.2284, 3.8683,  
3.6311

178.8116,  
212.9136, 223.1156

 0.7576, 1.6001,  
1.4252

218.9489,

 0.0000, 0.3577,

258.6480, 271.6981

0.1613

264.6835,  
310.5031, 326.8658

■ 0.0000, 0.0000,  
0.0000

■ 35.0702, 45.5170,  
46.4724

■ 35.0702, 45.5170,  
46.4724

■ 31.9843, 43.9895,  
43.5217

■ 38.7295, 47.3398,  
49.5738

■ 29.4358, 42.7352,  
40.7155

■ 42.9878, 49.4675,  
52.8255

■ 27.3907, 41.7377,  
38.0518


■ 47.8740, 51.9161,  
56.2315


■ 25.8090, 40.9765,  
35.5271


■ 53.4138, 54.6988,  
59.7942


■ 24.6447, 40.4280,  
33.1376


■ 59.6314, 57.8282,  
63.5162


 23.8417, 40.0632,  
30.8791

 66.5499, 61.3160,  
67.4000

 23.5313, 39.9257,  
29.8456

 72.2881, 64.1925,  
71.3589

 73.0204, 64.4854,  
75.2152

 73.7782, 64.7885,  
79.2055

# Harmonies

## Analogous

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



36.5922, 45.5170, 35.7866



35.0702, 45.5170, 46.4724



35.6159, 45.5170, 60.0536

# Triad

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



35.0702, 45.5170, 46.4724



46.7862, 45.5170, 76.7470



48.8250, 45.5170, 31.9960

# Complementary

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



35.0702, 45.5170, 46.4724



34.4383, 28.0502, 30.3889

# 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.



51.9320, 45.5170, 40.3665



35.0702, 45.5170, 46.4724



50.6979, 45.5170, 66.4798

# Square

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



35.0702, 45.5170, 46.4724



42.1705, 45.5170, 79.1660



52.6406, 45.5170, 52.7820



44.3733, 45.5170, 28.4440



# Rectangle

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



35.0702, 45.5170, 46.4724



37.0987, 45.5170, 68.8478



52.6406, 45.5170, 52.7820



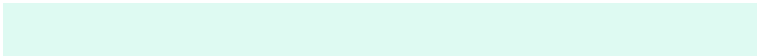
50.0738, 45.5170, 34.2601

# Sweetspot

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



35.0715, 45.5188, 46.4734



80.4039, 90.3033, 97.0508



34.5207, 45.6786, 26.4002



16.9985, 19.2474, 20.6433



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

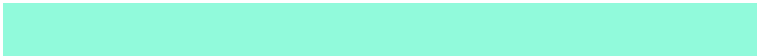


# Same Dimension

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



35.0715, 45.5188, 46.4734



58.6112, 79.4395, 79.2809



34.2849, 40.6127, 56.4862



10.2382, 11.3763, 12.2576



15.6868, 26.5688, 20.0414



0.7067, 1.1595, 1.0183



# Inverse Universe

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



34.4383, 28.0502, 30.3889



57.3232, 43.6659, 46.3853



34.8702, 31.1690, 23.5811



10.1924, 10.1256, 11.1035



15.1457, 7.7480, 3.4135



0.6854, 0.3472, 0.3109



# Previews

## White Background



This preview shows how the XYZ color 35.0702, 45.5170, 46.4724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

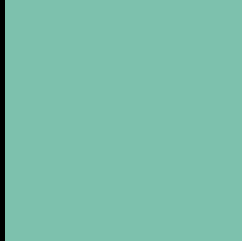
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0702, 45.5170, 46.4724 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

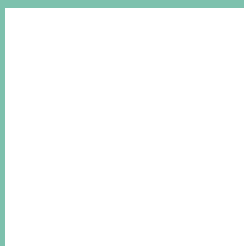
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0702, 45.5170, 46.4724**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0702, 45.5170, 46.4724.



This preview shows how white text looks on a background with the XYZ color 35.0702, 45.5170,



# 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

35.0702, 45.5170, 46.4724

### Protanopia

42.7195, 44.8717, 42.0069

### Deuteranopia

45.9053, 44.9318, 47.8482



## Tritanopia

38.6124, 45.6604, 63.9050

# Trichromacy



**Original Color**

35.0702, 45.5170, 46.4724

**Protanomaly**

39.1056, 44.4807, 43.5703

**Deuteranomaly**

40.9523, 44.4350, 47.4927

**Tritanomaly**

37.0924, 45.3443, 57.2494

# Monochromacy



**Original Color**

35.0702, 45.5170, 46.4724

**Achromatopsia**

38.2080, 40.1978, 43.7754

**Achromatomaly**

36.5975, 41.6511, 44.6386

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0702, 45.5170, 46.4724 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(125, 193, 173)` looks like.

```
.text, #text, p{  
    color:rgb(125, 193, 173)  
}
```

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(125, 193, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 193, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0702, 45.5170, 46.4724 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(125, 193, 173) }
```



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

```
.border{ border-color:rgb(125, 193, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 193, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 193, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 193, 173);  
box-shadow:4px 4px 4px 4px rgb(125, 193,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0702, 45.5170, 46.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 193, 173) }
```

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

```
.background{ background-color: rgb(125,  
193, 173) }
```

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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