

Converting Colors

XYZ(45.4158, 54.7814, 70.3223)

Have a look what the booklet for
XYZ(45.4158, 54.7814, 70.3223)
contains.

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Color

**XYZ(45.4566, 54.8254,
70.4739)**

Conversions

Conversions Part 1

Format	Color
Hex	90CED4
RGB	144, 206, 212
RGB Percent	56%, 81%, 83%
CMY	0.4353, 0.1921, 0.1686
CMYK	0.32, 0.03, 0.00, 0.17
HSL	185°, 44%, 70%
HSV	185°, 32%, 83%
XYZ	45.4566, 54.8254, 70.4739
YIQ	188.1460, -38.8780, -11.2780

Conversions

Conversions Part 2

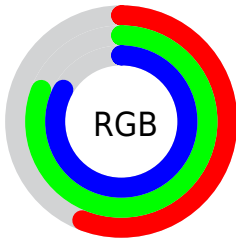
Format	Color
RYB	144, 176, 212
Decimal	9490132
CIELab	78.94, -18.22, -9.31
CIELCh	79, 20.457, 207.077
Yxy	54.8254, 0.2662, 0.3211
Android (android.graphics.Color)	4287680212 (0xFF90CED4)
YUV	188.1460, 11.7600, -38.7160
Hunter-Lab	74.0442, -19.9940, -4.6002

Details

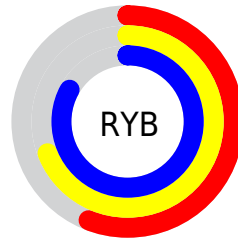
The XYZ color **45.4566, 54.8254, 70.4739** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.0925, 37.8239, 31.4163**, and the grayscale version is **47.8354, 50.3265, 54.8056**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **21.5305, 27.0645, 35.9875** is the 20% darker color. If you saturate the color by 10%, you get **41.6488, 52.1994, 70.1687**, and if you desaturate by 10%, it is **49.9683, 57.8249, 70.8160**.

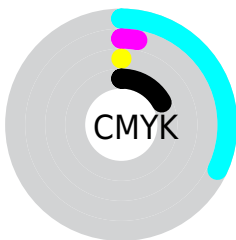
Distribution



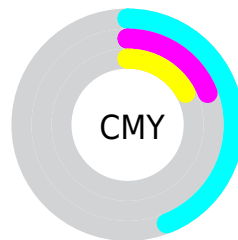
- Red (56%)
- Green (81%)
- Blue (83%)



- Red (56%)
- Yellow (69%)
- Blue (83%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)





- Cyan (44%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4566, 54.8254, 70.4739 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 45.4566, 54.8254, 70.4739 by changing the saturation by 10% instead.


 45.4566, 54.8254,
70.4739


 45.4566, 54.8254,
70.4739


359.3723,
405.2497, 481.0462

 32.0200, 39.2619,
51.4338


 82.6380, 97.2851,
121.5718

 21.5324, 26.9636,
36.1748


 107.1136,
124.9501, 154.4666

 13.6284, 17.5459,
24.2785


135.9995,
157.4178, 192.8168

 7.9426, 10.6244,
15.3262

169.6612,
195.0725, 237.0408

 4.1098, 5.8149,
8.8995

208.4640,
238.2987, 287.5572

 1.7644, 2.7329,
4.5798

252.7732,

 0.4961, 0.9939,

287.4807, 344.7845

1.9485

302.9542,
343.0029, 409.1414

■ 0.0000, 0.0000,
0.5233

■ 0.0000, 0.0000,
0.0000

■ 45.4566, 54.8254,
70.4739

■ 45.4566, 54.8254,
70.4739

■ 41.6488, 52.1994,
70.1687

■ 49.9683, 57.8249,
70.8160

■ 38.5010, 49.9203,
69.8946

■ 55.2150, 61.2099,
71.1928

■ 35.9719, 47.9680,
69.6511

■ 61.2319, 65.0000,
71.6073

■ 34.0137, 46.3178,
69.4358

■ 68.0504, 69.2113,
72.0608

■ 32.5711, 44.9414,
69.2462

■ 75.7001, 73.8592,
72.5547

■ 31.5784, 43.8046,
69.0791

■ 77.9943, 75.7544,
72.7996

■ 31.0208, 43.0274,
68.9584

■ 78.4796, 76.7251,
72.9614

■ 78.9705, 77.7069,
73.1250

■ 79.4669, 78.6996,
73.2905

Harmonies

Analogous

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



44.6882, 54.8254, 58.5615



45.4566, 54.8254, 70.4739



47.9767, 54.8254, 80.5224

Triad

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



45.4566, 54.8254, 70.4739



58.9489, 54.8254, 72.7052



52.5094, 54.8254, 40.0169

Complementary

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



45.4566, 54.8254, 70.4739



43.0925, 37.8239, 31.4163

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.



56.4739, 54.8254, 42.8104



45.4566, 54.8254, 70.4739



60.3109, 54.8254, 60.8441

Square

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



45.4566, 54.8254, 70.4739



55.7487, 54.8254, 81.9238



59.3827, 54.8254, 50.0763



48.6329, 54.8254, 41.9025

Rectangle

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



45.4566, 54.8254, 70.4739



50.3816, 54.8254, 84.2753



59.3827, 54.8254, 50.0763



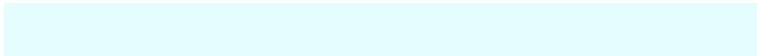
53.8773, 54.8254, 40.4302

Sweetspot

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



45.4582, 54.8276, 70.4752



85.5696, 94.0537, 108.2519



40.5244, 55.2086, 37.2354



18.0511, 19.9635, 23.1519



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.



45.4582, 54.8276, 70.4752



65.2640, 80.6869, 106.7421



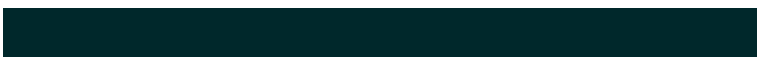
38.2025, 40.3161, 68.0566



12.6942, 13.9118, 15.9537



19.1881, 26.6380, 42.5835



1.1854, 1.6629, 2.5778

Inverse Universe

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



48.2666, 38.4012, 63.2632



70.1882, 52.4295, 93.9746



49.2578, 50.1545, 33.4714



12.9036, 12.6129, 15.4325



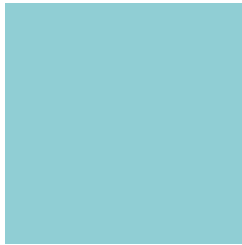
22.7441, 11.0340, 32.2863



1.3860, 0.6712, 2.0220

Previews

White Background



This preview shows how the XYZ color 45.4566, 54.8254, 70.4739 looks on a white background.

Color Contrast Check

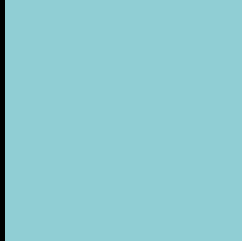
Large Text (above 18pt) WCAG AA × Fail

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 45.4566, 54.8254, 70.4739 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 45.4566, 54.8254, 70.4739

Background



This preview shows how black text looks on a background with the XYZ color 45.4566, 54.8254, 70.4739.



This preview shows how white text looks on a background with the XYZ color 45.4566, 54.8254,

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

45.4566, 54.8254, 70.4739

Protanopia

52.6965, 54.5453, 64.8776

Deuteranopia

55.3652, 54.1389, 71.8218



Tritanopia

46.7365, 54.9941, 76.5583

Trichromacy



Original Color

45.4566, 54.8254, 70.4739

Protanomaly

49.3611, 54.1233, 66.8767

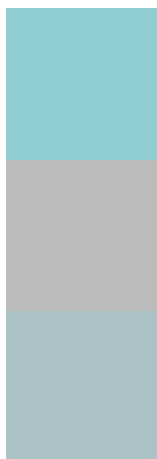
Deuteranomaly

50.9441, 53.8303, 71.3236

Tritanomaly

46.1633, 54.7443, 74.4633

Monochromacy



Original Color

45.4566, 54.8254, 70.4739

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.6064, 51.8321, 60.3715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4566, 54.8254, 70.4739 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(144, 206, 212)` looks like.

```
.text, #text, p{  
    color:rgb(144, 206, 212)  
}
```

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(144, 206, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 206, 212) }
```

Border

The CSS property to change the border of an element to XYZ 45.4566, 54.8254, 70.4739 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(144, 206, 212) }
```


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

```
.border{ border-color:rgb(144, 206, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 206, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 206, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 206, 212);  
box-shadow:4px 4px 4px 4px rgb(144, 206,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4566, 54.8254, 70.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 206, 212) }
```

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

```
.background{ background-color: rgb(144,  
206, 212) }
```

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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