

# Converting Colors

XYZ(54.6559, 70.5058, 90.9640)

Have a look what the booklet for  
XYZ(54.6559, 70.5058, 90.9640)  
contains.

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# Color

**XYZ(54.6673, 70.5176,  
90.8508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85EBED
RGB	133, 235, 237
RGB Percent	52%, 92%, 93%
CMY	0.4784, 0.0784, 0.0706
CMYK	0.44, 0.01, 0.00, 0.07
HSL	181°, 74%, 73%
HSV	181°, 44%, 93%
XYZ	54.6673, 70.5176, 90.8508
YIQ	204.7300, -61.4340, -21.0020

# Conversions

## Conversions Part 2

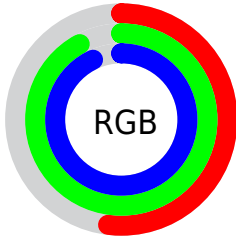
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 184, 237
Decimal	8776685
CIELab	87.25, -29.23, -10.27
CIELCh	87, 30.980, 199.358
Yxy	70.5176, 0.2530, 0.3264
Android (android.graphics.Color)	4286966765 (0xFF85EBED)
YUV	204.7300, 15.9091, -62.9072
Hunter-Lab	83.9748, -30.7529, -5.3625

# Details

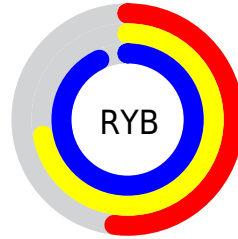
The XYZ color **54.6673, 70.5176, 90.8508** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8240, 37.0271, 26.8185**, and the grayscale version is **57.7888, 60.7983, 66.2094**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **27.2082, 36.9929, 49.4224** is the 20% darker color. If you saturate the color by 10%, you get **51.2098, 68.5436, 90.6532**, and if you desaturate by 10%, it is **58.9734, 72.9329, 91.0913**.

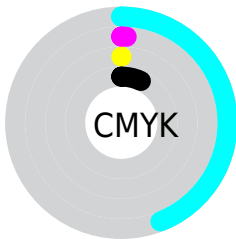
# Distribution



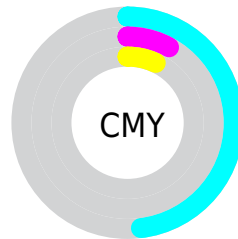
- Red (52%)
- Green (92%)
- Blue (93%)



- Red (52%)
- Yellow (72%)
- Blue (93%)



- Cyan (44%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (8%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6673, 70.5176, 90.8508 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 54.6673, 70.5176, 90.8508 by changing the saturation by 10% instead.





 54.6673, 70.5176,  
90.8508


 54.6673, 70.5176,  
90.8508


394.8065,  
462.3653, 551.4360


 39.3682, 51.9486,  
68.1088


 96.2045, 119.9466,  
150.4655

 27.2283, 36.9641,  
49.5190


 123.1733,  
151.5754, 188.1752

 17.8822, 25.1797,  
34.6629


 154.7627,  
188.3263, 231.7113

 10.9646, 16.2110,  
23.1218

191.3381,  
230.5836, 281.4923

 6.1102, 9.6736,  
14.4774

233.2648,  
278.7317, 337.9367

 2.9535, 5.1831,  
8.3109

280.9082,

 1.1292, 2.3551,

333.1552, 401.4631

4.2039

334.6337,  
394.2382, 472.4900

■ 0.0493, 0.8026,  
1.7379

■ 0.0000, 0.0000,  
0.3865

■ 54.6673, 70.5176,  
90.8508

■ 54.6673, 70.5176,  
90.8508

■ 51.2098, 68.5436,  
90.6532

■ 58.9734, 72.9329,  
91.0913

■ 48.5371, 66.9730,  
90.4910

■ 64.1740, 75.8082,  
91.3722

■ 46.5868, 65.7753,  
90.3626

■ 70.3191, 79.1708,  
91.6973

■ 45.2839, 64.9118,  
90.2646

■ 77.4532, 83.0438,  
92.0689

■ 44.5371, 64.3356,  
90.1927

■ 85.6179, 87.4486,  
92.4888

■ 44.2694, 64.0807,  
90.1576

■ 87.0239, 88.3697,  
92.5925

■ 87.1564, 88.6348,  
92.6366

■ 87.2893, 88.9005,  
92.6809

■ 87.4225, 89.1669,  
92.7253

# Harmonies

## Analogous

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



54.1880, 70.5176, 69.6143



54.6673, 70.5176, 90.8508



58.3152, 70.5176, 111.3933

# Triad

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



54.6673, 70.5176, 90.8508



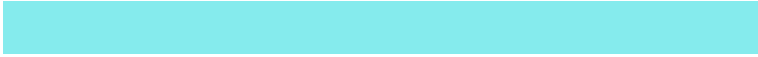
78.2168, 70.5176, 105.9628



69.6431, 70.5176, 43.7384

# Complementary

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



54.6673, 70.5176, 90.8508



47.8240, 37.0271, 26.8185

# 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.



76.5612, 70.5176, 50.2037



54.6673, 70.5176, 90.8508



81.7440, 70.5176, 84.4249

# Square

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



54.6673, 70.5176, 90.8508



71.7725, 70.5176, 121.1521



81.1171, 70.5176, 64.2456



62.4914, 70.5176, 44.8310

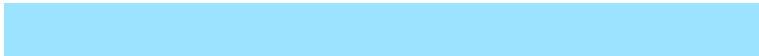


# Rectangle

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



54.6673, 70.5176, 90.8508



62.2106, 70.5176, 120.7363



81.1171, 70.5176, 64.2456



72.0813, 70.5176, 45.0458

# Sweetspot

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



54.6694, 70.5203, 90.8524



83.6855, 93.8403, 108.3100



44.3131, 67.2982, 33.4795



17.5422, 19.8841, 23.1634



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.



54.6694, 70.5203, 90.8524



60.7123, 81.0770, 107.0573



41.9492, 45.0800, 86.6124



15.4914, 17.0693, 19.4005



24.1810, 35.0090, 49.2259



1.9067, 2.7649, 3.8681



# Inverse Universe

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



58.3098, 40.7796, 83.3982



65.5732, 41.7108, 97.0262



56.8741, 55.1274, 29.8352



15.7016, 15.3085, 18.9799



27.0607, 13.0270, 42.9827

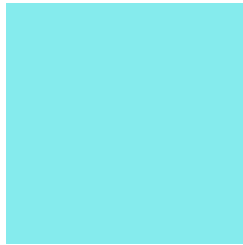


2.1289, 1.0245, 3.3963



# Previews

## White Background



This preview shows how the XYZ color 54.6673, 70.5176, 90.8508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

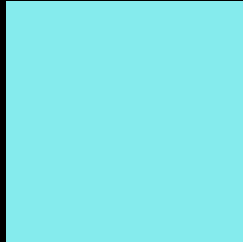
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6673, 70.5176, 90.8508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

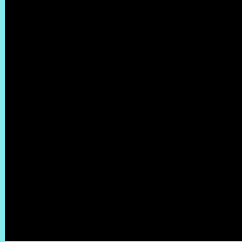
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 54.6673, 70.5176, 90.8508

## Background



This preview shows how black text looks on a background with the XYZ color 54.6673, 70.5176, 90.8508.



This preview shows how white text looks on a background with the XYZ color 54.6673, 70.5176,



# 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

54.6673, 70.5176, 90.8508

### Protanopia

67.4968, 69.6628, 81.8403

### Deuteranopia

71.2490, 69.8287, 93.7275



## Tritanopia

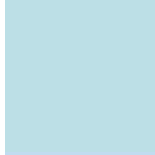
57.0261, 70.6245, 102.7218

# Trichromacy



## Original Color

54.6673, 70.5176, 90.8508



## Protanomaly

61.4096, 69.1799, 84.9793



## Deuteranomaly

63.3137, 68.8151, 92.3837



## Tritanomaly

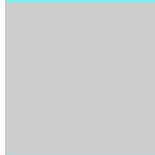
56.3647, 70.7953, 98.6898

# Monochromacy



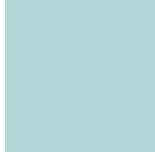
## Original Color

54.6673, 70.5176, 90.8508



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

55.6707, 63.7052, 75.0078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6673, 70.5176, 90.8508 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(133, 235, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 235, 237)  
}
```

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(133, 235, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 235, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6673, 70.5176, 90.8508 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(133, 235, 237) }
```



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

```
.border{ border-color:rgb(133, 235, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 235, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 235, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 235, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 235,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6673, 70.5176, 90.8508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 235, 237) }
```

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

```
.background{ background-color: rgb(133,  
235, 237) }
```

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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