

# Converting Colors

XYZ(45.3441, 59.2000, 89.2735)

Have a look what the booklet for  
XYZ(45.3441, 59.2000, 89.2735)  
contains.

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# Color

**XYZ(45.3369, 59.2104,  
89.1600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FDBED
RGB	95, 219, 237
RGB Percent	37%, 86%, 93%
CMY	0.6274, 0.1412, 0.0706
CMYK	0.60, 0.08, 0.00, 0.07
HSL	188°, 80%, 65%
HSV	188°, 60%, 93%
XYZ	45.3369, 59.2104, 89.1600
YIQ	183.9760, -79.6820, -20.6900

# Conversions

## Conversions Part 2

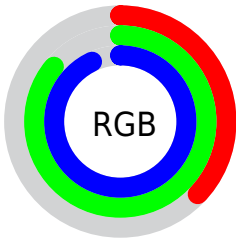
Format	Color
<b>RYB</b>	95, 161, 237
Decimal	6282221
CIELab	81.41, -29.19, -19.17
CIELCh	81, 34.921, 213.291
Yxy	59.2104, 0.2340, 0.3057
Android (android.graphics.Color)	4284472301 (0xFF5FDBED)
YUV	183.9760, 26.1408, -78.0320
Hunter-Lab	76.9483, -29.4897, -14.8355

# Details

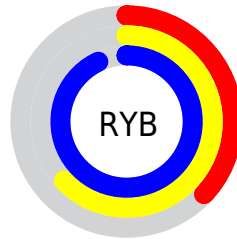
The XYZ color **45.3369, 59.2104, 89.1600** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **42.8971, 30.6425, 14.4819**, and the grayscale version is **45.4404, 47.8068, 52.0616**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **21.6159, 29.8871, 48.3456** is the 20% darker color. If you saturate the color by 10%, you get **42.4631, 56.5772, 88.8043**, and if you desaturate by 10%, it is **48.9772, 62.2623, 89.5583**.

# Distribution



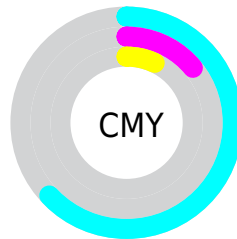
- Red (37%)
- Green (86%)
- Blue (93%)



- Red (37%)
- Yellow (63%)
- Blue (93%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (63%)
- Magenta (14%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3369, 59.2104, 89.1600 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 45.3369, 59.2104, 89.1600 by changing the saturation by 10% instead.



45.3369, 59.2104,  
89.1600

45.3369, 59.2104,  
89.1600

358.8971,  
421.6812, 545.7940

31.9253, 42.7825,  
66.7144

82.4597, 103.6834,  
148.0964

21.4597, 29.7145,  
48.3924

106.9016,  
132.4973, 185.4242

13.5748, 19.6220,  
33.7756

135.7509,  
166.2087, 228.5498

7.9053, 12.1206,  
22.4453

169.3731,  
205.2019, 277.8918

4.0857, 6.8258,  
13.9830

208.1334,  
249.8613, 333.8686

1.7507, 3.3534,  
7.9702

252.3973,

0.4877, 1.3189,

300.5714, 396.8989

3.9884

302.5301,  
357.7166, 467.4012

■ 0.0000, 0.1558,  
1.6190

■ 0.0000, 0.0000,  
0.3043

■ 45.3369, 59.2104,  
89.1600

■ 45.3369, 59.2104,  
89.1600

■ 42.4631, 56.5772,  
88.8043

■ 48.9772, 62.2623,  
89.5583

■ 40.2798, 54.3195,  
88.4836

■ 53.4400, 65.7580,  
89.9978

■ 38.7052, 52.3965,  
88.1954

■ 58.7824, 69.7285,  
90.4826

■ 37.5986, 50.7353,  
87.9331

■ 65.0549, 74.1997,  
91.0151

■ 37.5897, 50.7213,  
87.9309

■ 72.3039, 79.1958,  
91.5973

■ 80.5730, 84.7392,  
92.2315

■ 87.6957, 89.7133,  
92.8162

■ 88.5875, 91.4970,  
93.1135

■ 89.4941, 93.3102,  
93.4157

# Harmonies

## Analogous

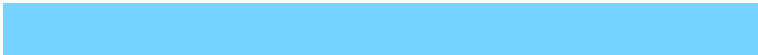
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3903, 59.2104, 66.8066



45.3369, 59.2104, 89.1600



50.1992, 59.2104, 107.4818

# Triad

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



45.3369, 59.2104, 89.1600



69.7770, 59.2104, 84.2875



55.4754, 59.2104, 32.0779

# Complementary

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



45.3369, 59.2104, 89.1600



42.8971, 30.6425, 14.4819

# 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.



62.8281, 59.2104, 34.8045



45.3369, 59.2104, 89.1600



71.4933, 59.2104, 62.1887

# Square

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



45.3369, 59.2104, 89.1600



64.3428, 59.2104, 104.2682



68.8507, 59.2104, 44.8190



48.9164, 59.2104, 36.3578

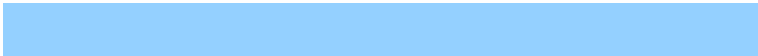


# Rectangle

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



45.3369, 59.2104, 89.1600



54.6531, 59.2104, 113.2272



68.8507, 59.2104, 44.8190



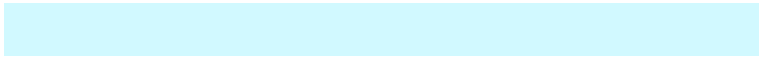
57.9342, 59.2104, 32.2094

# Sweetspot

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



45.3387, 59.2126, 89.1614



78.3048, 88.6539, 107.5926



37.9056, 64.1628, 25.5918



16.2591, 18.6249, 22.9880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

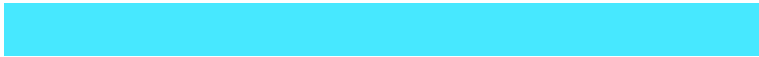


# Same Dimension

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



45.3387, 59.2126, 89.1614



49.4582, 66.1352, 104.7664



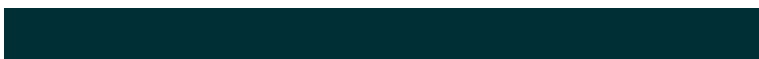
30.8233, 30.1816, 84.3229



15.3453, 16.7771, 19.3518



20.5898, 27.8267, 48.0289



1.6624, 2.2762, 3.7866



# Inverse Universe

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



51.8050, 31.3051, 70.3323



58.0457, 31.6283, 79.1874



53.8364, 52.5211, 18.1283



15.6279, 15.2790, 18.5915



25.2481, 12.3019, 33.4374



2.0056, 0.9752, 2.7468



# Previews

## White Background



This preview shows how the XYZ color 45.3369, 59.2104, 89.1600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

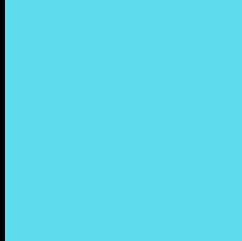
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.3369, 59.2104, 89.1600 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 45.3369, 59.2104, 89.1600

## Background



This preview shows how black text looks on a background with the XYZ color 45.3369, 59.2104, 89.1600.



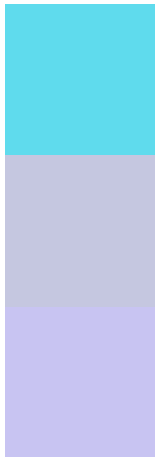
This preview shows how white text looks on a background with the XYZ color 45.3369, 59.2104,



# 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

45.3369, 59.2104, 89.1600

### Protanopia

56.9039, 58.0990, 78.7361

### Deuteranopia

59.5864, 58.1700, 92.0918



## Tritanopia

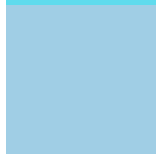
45.3369, 59.2104, 89.1600

# Trichromacy



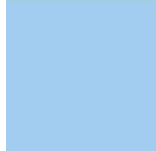
## Original Color

45.3369, 59.2104, 89.1600



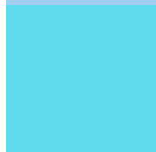
## Protanomaly

50.7114, 57.2733, 82.5108



## Deuteranomaly

52.2213, 57.1584, 90.7184



## Tritanomaly

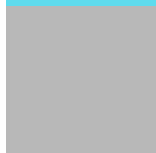
45.3369, 59.2104, 89.1600

# Monochromacy



## Original Color

45.3369, 59.2104, 89.1600



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

43.6946, 50.9197, 64.0254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3369, 59.2104, 89.1600 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(95, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(95, 219, 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(95, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 219, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3369, 59.2104, 89.1600 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(95, 219, 237) }
```



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

```
.border{ border-color:rgb(95, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(95, 219,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3369, 59.2104, 89.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 219, 237) }
```

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

```
.background{ background-color: rgb(95, 219,  
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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