

# Converting Colors

XYZ(49.1410, 58.9580, 65.6308)

Have a look what the booklet for  
XYZ(49.1410, 58.9580, 65.6308)  
contains.

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# Color

**XYZ(49.3429, 59.1280,  
65.9389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2D4CC
RGB	162, 212, 204
RGB Percent	64%, 83%, 80%
CMY	0.3647, 0.1686, 0.2000
CMYK	0.24, 0.00, 0.04, 0.17
HSL	170°, 37%, 73%
HSV	170°, 24%, 83%
XYZ	49.3429, 59.1280, 65.9389
YIQ	196.1380, -27.2320, -13.0880

# Conversions

## Conversions Part 2

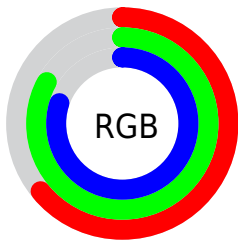
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 189, 212
Decimal	10671308
CIELab	81.36, -17.81, -1.34
CIELCh	81, 17.863, 184.314
Yxy	59.1280, 0.2829, 0.3390
Android (android.graphics.Color)	4288861388 (0xFFA2D4CC)
YUV	196.1380, 3.8760, -29.9390
Hunter-Lab	76.8947, -20.0234, 2.9839

# Details

The XYZ color **49.3429, 59.1280, 65.9389** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.3296, 42.7417, 43.7882**, and the grayscale version is **52.5427, 55.2790, 60.1988**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **23.8687, 29.5672, 33.3032** is the 20% darker color. If you saturate the color by 10%, you get **44.9920, 56.9331, 63.6349**, and if you desaturate by 10%, it is **54.4321, 61.7056, 68.3262**.

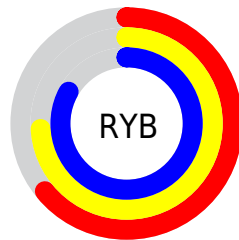
# Distribution



Red (64%)

Green (83%)

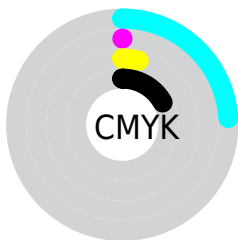
Blue (80%)



Red (64%)

Yellow (74%)

Blue (83%)

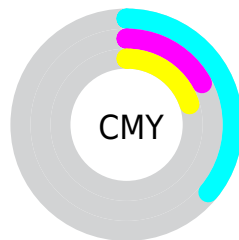


Cyan (24%)

Magenta (0%)

Yellow (4%)

Black (17%)



Cyan (36%)

Magenta (17%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3429, 59.1280, 65.9389 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 49.3429, 59.1280, 65.9389 by changing the saturation by 10% instead.





 49.3429, 59.1280,  
65.9389

 49.3429, 59.1280,  
65.9389


374.5853,  
421.3761, 464.5566

 35.1072, 42.7162,  
47.7666

 88.3982, 103.5637,  
115.0248

 23.9124, 29.6625,  
33.2834


 113.9485,  
132.3563, 146.7755

 15.3930, 19.5825,  
22.0708


144.0011,  
166.0447, 183.8895

 9.1838, 12.0920,  
13.7101

178.9213,  
205.0131, 226.7852

 4.9193, 6.8063,  
7.7829

219.0744,  
249.6461, 275.8812

 2.2343, 3.3413,  
3.8706

264.8259,

 0.7607, 1.3124,

300.3280, 331.5961

1.5546

316.5411,  
357.4432, 394.3484

■ 0.0000, 0.1508,  
0.2581

■ 0.0000, 0.0000,  
0.0000

■ 49.3429, 59.1280,  
65.9389

■ 49.3429, 59.1280,  
65.9389

■ 44.9920, 56.9331,  
63.6349

■ 54.4321, 61.7056,  
68.3262

■ 41.3379, 55.0948,  
61.4083

■ 60.2883, 64.6760,  
70.7947

■ 38.3426, 53.5952,  
59.2583

■ 66.9452, 68.0581,  
73.3476

■ 35.9626, 52.4117,  
57.1824

■ 74.4325, 71.8673,  
75.9865

■ 34.1489, 51.5192,  
55.1782

■ 77.8313, 73.5678,  
78.4815

■ 32.8452, 50.8886,  
53.2427

■ 78.2880, 73.7505,  
80.8864

■ 31.9832, 50.4847,  
51.3723

■ 78.7539, 73.9368,  
83.3398

■ 31.5878, 50.3064,  
50.2032

■ 79.2290, 74.1269,  
85.8419

■ 79.7135, 74.3207,  
88.3929

# Harmonies

## Analogous

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



49.9771, 59.1280, 55.8769



49.3429, 59.1280, 65.9389



50.4781, 59.1280, 76.6753

# Triad

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



49.3429, 59.1280, 65.9389



60.3427, 59.1280, 82.8913



59.3675, 59.1280, 47.5783

# Complementary

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



49.3429, 59.1280, 65.9389



47.3296, 42.7417, 43.7882

# 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.



62.3375, 59.1280, 53.4754



49.3429, 59.1280, 65.9389



62.9178, 59.1280, 73.7055

# Square

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



49.3429, 59.1280, 65.9389



56.7410, 59.1280, 87.1259



63.6633, 59.1280, 62.8465



55.6612, 59.1280, 45.9840



# Rectangle

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



49.3429, 59.1280, 65.9389



52.1163, 59.1280, 82.5579



63.6633, 59.1280, 62.8465



60.4904, 59.1280, 49.0884

# Sweetspot

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



49.3446, 59.1304, 65.9402



88.3285, 96.5877, 106.2023



46.7167, 58.2814, 42.9708



18.7880, 20.6139, 22.6825



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

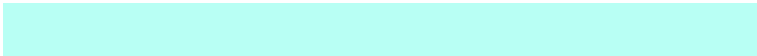


# Same Dimension

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



49.3446, 59.1304, 65.9402



71.6957, 88.1667, 98.4871



46.3757, 51.6167, 69.8089



12.7028, 14.0721, 15.5155



19.5309, 31.0677, 31.1551



1.2014, 1.8832, 2.0024



# Inverse Universe

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



47.3296, 42.7417, 43.7882



68.1510, 59.3164, 59.5034



49.7284, 48.7144, 40.9654



12.5035, 12.4529, 13.3257



16.9638, 8.7218, 1.8473

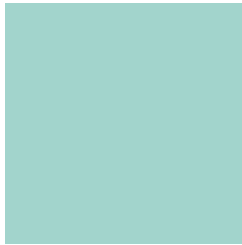


1.0490, 0.5364, 0.2475



# Previews

## White Background



This preview shows how the XYZ color 49.3429, 59.1280, 65.9389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

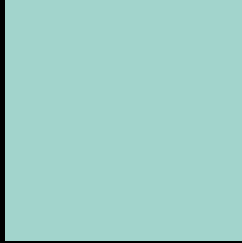
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.3429, 59.1280, 65.9389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

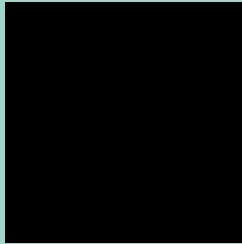
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

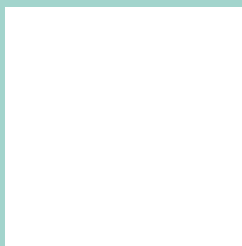
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.3429, 59.1280, 65.9389**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3429, 59.1280, 65.9389.



This preview shows how white text looks on a background with the XYZ color 49.3429, 59.1280,

65.9389.

# 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

49.3429, 59.1280, 65.9389

### Protanopia

56.4183, 58.9263, 61.2237

### Deuteranopia

59.6910, 58.4406, 67.1656



## Tritanopia

52.1170, 59.1442, 79.9033

# Trichromacy



## Original Color

49.3429, 59.1280, 65.9389

## Protanomaly

53.4919, 58.7799, 63.1699

## Deuteranomaly

55.3159, 58.2353, 66.7176

## Tritanomaly

51.0880, 59.1023, 74.3609

# Monochromacy



## Original Color

49.3429, 59.1280, 65.9389

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

51.1965, 56.5549, 62.2507

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3429, 59.1280, 65.9389 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(162, 212, 204)` looks like.

```
.text, #text, p{  
    color:rgb(162, 212, 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(162, 212, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 212, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3429, 59.1280, 65.9389 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(162, 212, 204) }
```



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

```
.border{ border-color:rgb(162, 212, 204) }
```

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

Here you see how a box with a 4 pixel rgb(162, 212, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 212, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 212, 204);  
box-shadow:4px 4px 4px 4px rgb(162, 212,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3429, 59.1280, 65.9389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 212, 204) }
```

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

```
.background{ background-color: rgb(162,  
212, 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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