

# Converting Colors

XYZ(57.4970, 69.4053, 76.7329)

Have a look what the booklet for  
XYZ(57.4970, 69.4053, 76.7329)  
contains.

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# Color

**XYZ(57.4115, 69.3194,  
76.6837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE4DA
RGB	172, 228, 218
RGB Percent	67%, 89%, 85%
CMY	0.3255, 0.1059, 0.1451
CMYK	0.25, 0.00, 0.04, 0.11
HSL	169°, 51%, 78%
HSV	169°, 25%, 89%
XYZ	57.4115, 69.3194, 76.6837
YIQ	210.1160, -30.1660, -14.9820

# Conversions

## Conversions Part 2

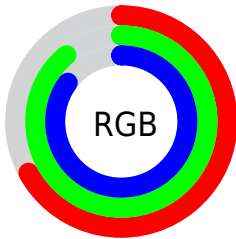
Format	Color
<a href="#">RYB</a>	<a href="#">172, 203, 228</a>
Decimal	<a href="#">11330778</a>
CIELab	<a href="#">86.66, -19.85, -0.94</a>
CIELCh	<a href="#">87, 19.872, 182.706</a>
Yxy	<a href="#">69.3194, 0.2822, 0.3408</a>
Android (android.graphics.Color)	<a href="#">4289520858 (0xFFACE4DA)</a>
YUV	<a href="#">210.1160, 3.8868, -33.4277</a>
Hunter-Lab	<a href="#">83.2583, -22.6157, 3.6727</a>

# Details

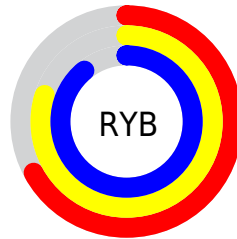
The XYZ color **57.4115, 69.3194, 76.6837** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.1933, 49.3782, 50.8807**, and the grayscale version is **61.3257, 64.5195, 70.2617**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.8346, 36.0009, 40.0795** is the 20% darker color. If you saturate the color by 10%, you get **52.3045, 66.7493, 73.6980**, and if you desaturate by 10%, it is **63.3941, 72.3430, 79.7817**.

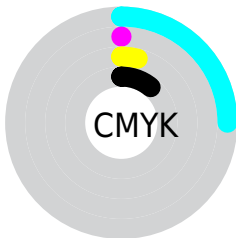
# Distribution



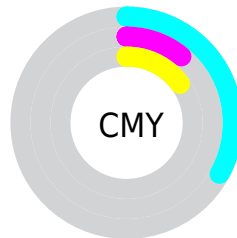
- Red (67%)
- Green (89%)
- Blue (85%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (33%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4115, 69.3194, 76.6837 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 57.4115, 69.3194, 76.6837 by changing the saturation by 10% instead.





 57.4115, 69.3194,  
76.6837

 57.4115, 69.3194,  
76.6837


404.9788,  
458.1567, 503.0939

 41.5771, 50.9719,  
56.4833


 100.1933,  
118.2377, 130.4618

 28.9600, 36.1862,  
40.1840


127.8714,  
149.5772, 164.8766

 19.1947, 24.5781,  
27.3671


160.2281,  
186.0162, 204.8667

 11.9159, 15.7630,  
17.6143

197.6289,  
227.9390, 250.8504

 6.7582, 9.3566,  
10.5068

240.4389,  
275.7301, 303.2465

 3.3563, 4.9745,  
5.6263


289.0237,

 1.3449, 2.2323,


329.7738, 362.4734


2.5541


343.7485,  
390.4545, 428.9497


 0.2164, 0.7375,  
0.8686


 0.0000, 0.0000,  
0.0000


 57.4115, 69.3194,  
76.6837

 57.4115, 69.3194,  
76.6837


 52.3045, 66.7493,  
73.6980


 63.3941, 72.3430,  
79.7817


 48.0231, 64.6015,  
70.8173


 70.2871, 75.8326,  
82.9897


 44.5217, 62.8543,  
68.0406


 78.1307, 79.8108,  
86.3115


 41.7474, 61.4804,  
65.3647


 83.8779, 82.7066,  
89.6050


 39.6410, 60.4494,  
62.7866


 84.4709, 82.9438,  
92.7275


 38.1335, 59.7257,  
60.3023


 85.0774, 83.1864,  
95.9213

 37.1409, 59.2660,  
57.9076

 85.6975, 83.4344,  
99.1870

 36.7442, 59.0891,  
56.6393

 86.3314, 83.6880,  
102.5249

 86.9791, 83.9471,  
105.9355

# Harmonies

## Analogous

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



58.3086, 69.3194, 64.4101



57.4115, 69.3194, 76.6837



58.6958, 69.3194, 90.0628

# Triad

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



57.4115, 69.3194, 76.6837



70.7994, 69.3194, 98.9516



70.0406, 69.3194, 55.0653

# Complementary

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



57.4115, 69.3194, 76.6837



55.1933, 49.3782, 50.8807

# 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.



73.6407, 69.3194, 62.5578



57.4115, 69.3194, 76.6837



74.0930, 69.3194, 87.7441

# Square

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



57.4115, 69.3194, 76.6837



66.3060, 69.3194, 103.8234



75.1559, 69.3194, 74.2831



65.4678, 69.3194, 52.8258



# Rectangle

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



57.4115, 69.3194, 76.6837



60.6529, 69.3194, 97.5602



75.1559, 69.3194, 74.2831



71.4117, 69.3194, 57.0063

# Sweetspot

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



57.4135, 69.3222, 76.6853



88.2760, 96.5667, 105.9257



54.5463, 68.4458, 49.3673



18.7758, 20.6090, 22.6183



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

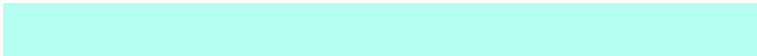


# Same Dimension

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



57.4135, 69.3222, 76.6853



70.8235, 87.7481, 97.0444



54.1314, 60.5994, 82.2459



14.6912, 16.2899, 17.9044



21.2565, 34.1347, 32.9147



1.5998, 2.5340, 2.5850



# Inverse Universe

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



55.1933, 49.3782, 50.8807



67.5407, 58.2348, 58.8721



57.7993, 56.1861, 46.8295



14.4816, 14.4098, 15.4704



18.7342, 9.6279, 2.2291

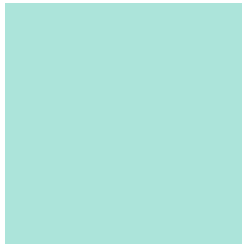


1.4151, 0.7238, 0.3267



# Previews

## White Background



This preview shows how the XYZ color 57.4115, 69.3194, 76.6837 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 57.4115, 69.3194, 76.6837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

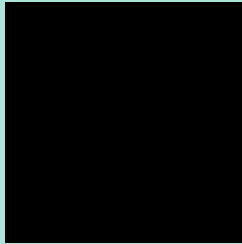
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

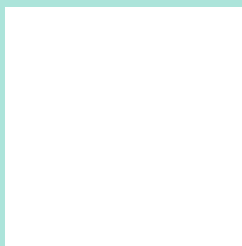
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.4115, 69.3194, 76.6837**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4115, 69.3194, 76.6837.



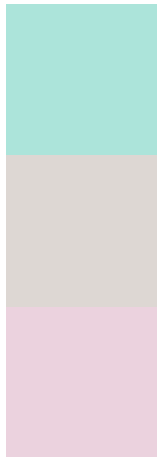
This preview shows how white text looks on a background with the XYZ color 57.4115, 69.3194,



# 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

57.4115, 69.3194, 76.6837

### Protanopia

65.8771, 68.6762, 71.4117

### Deuteranopia

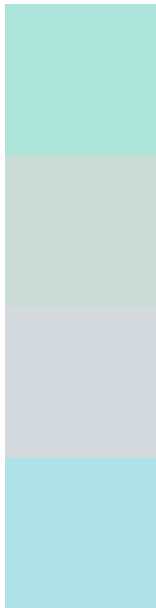
70.4924, 69.0293, 78.7159



## **Tritanopia**

60.8141, 69.0692, 94.1308

# Trichromacy



**Original Color**

57.4115, 69.3194, 76.6837

**Protanomaly**

62.3594, 68.7379, 73.5994

**Deuteranomaly**

65.0154, 68.8432, 78.2680

**Tritanomaly**

59.3124, 68.8476, 87.2536

# Monochromacy



**Original Color**

57.4115, 69.3194, 76.6837

**Achromatopsia**

61.2578, 64.4480, 70.1838

**Achromatomaly**

59.5880, 66.1656, 72.5814

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4115, 69.3194, 76.6837 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(172, 228, 218)` looks like.

```
.text, #text, p{  
    color:rgb(172, 228, 218)  
}
```

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(172, 228, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4115, 69.3194, 76.6837 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(172, 228, 218) }
```



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

```
.border{ border-color:rgb(172, 228, 218) }
```

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

Here you see how a box with a 4 pixel rgb(172, 228, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 228, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 228, 218);  
box-shadow:4px 4px 4px 4px rgb(172, 228,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4115, 69.3194, 76.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 228, 218) }
```

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

```
.background{ background-color: rgb(172,  
228, 218) }
```

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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