

# Converting Colors

XYZ(57.3805, 71.1407, 87.7737)

Have a look what the booklet for  
XYZ(57.3805, 71.1407, 87.7737)  
contains.

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# Color

**XYZ(57.3645, 71.1296,  
87.7967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE9E9
RGB	155, 233, 233
RGB Percent	61%, 91%, 91%
CMY	0.3921, 0.0863, 0.0863
CMYK	0.33, 0.00, 0.00, 0.09
HSL	180°, 64%, 76%
HSV	180°, 33%, 91%
XYZ	57.3645, 71.1296, 87.7967
YIQ	209.6780, -46.4880, -16.5360

# Conversions

## Conversions Part 2

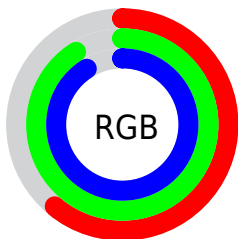
Format	Color
R <sub>Y</sub> B	155, 194, 233
Decimal	10217961
CIE Lab	87.55, -23.78, -7.62
CIE LCh	88, 24.975, 197.769
Yxy	71.1296, 0.2652, 0.3289
Android (android.graphics.Color)	4288408041 (0xFF9BE9E9)
YUV	209.6780, 11.4977, -47.9526
Hunter-Lab	84.3384, -26.1816, -2.6844

# Details

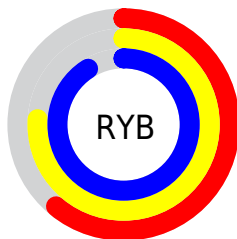
The XYZ color **57.3645, 71.1296, 87.7967** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2446, 43.1351, 36.6382**, and the grayscale version is **60.9981, 64.1747, 69.8863**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **28.9135, 37.3279, 47.2761** is the 20% darker color. If you saturate the color by 10%, you get **53.3176, 69.0451, 87.6083**, and if you desaturate by 10%, it is **62.2784, 73.6645, 88.0288**.

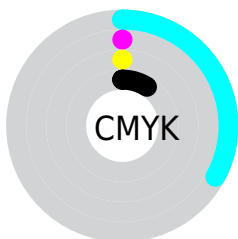
# Distribution



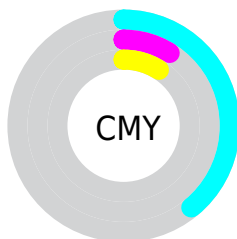
- Red (61%)
- Green (91%)
- Blue (91%)



- Red (61%)
- Yellow (76%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (39%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3645, 71.1296, 87.7967 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 57.3645, 71.1296, 87.7967 by changing the saturation by 10% instead.





 57.3645, 71.1296,  
87.7967


 57.3645, 71.1296,  
87.7967


404.8059,  
464.5064, 541.2213

 41.5392, 52.4480,  
65.5913


 100.1251,  
120.8182, 146.1827

 28.9302, 37.3623,  
47.4863


 127.7912,  
152.5940, 183.2005

 19.1720, 25.4881,  
33.0632


160.1350,  
189.5033, 225.9928

 11.8994, 16.4411,  
21.9034

197.5217,  
231.9306, 274.9782

 6.7469, 9.8368,  
13.5883

240.3168,  
280.2601, 330.5752

 3.3493, 5.2909,  
7.6994

288.8856,

 1.3410, 2.4189,

334.8763, 393.2023

3.8182

343.5935,  
396.1636, 463.2782

■ 0.2136, 0.8356,  
1.5261

■ 0.0000, 0.0000,  
0.2373

■ 57.3645, 71.1296,  
87.7967

■ 57.3645, 71.1296,  
87.7967

■ 53.3176, 69.0451,  
87.6083

■ 62.2784, 73.6645,  
88.0288

■ 50.0815, 67.3769,  
87.4562

■ 68.0988, 76.6651,  
88.3018

■ 47.6036, 66.0995,  
87.3396

■ 74.8704, 80.1559,  
88.6193

■ 45.8221, 65.1811,  
87.2557

■ 82.6330, 84.1577,  
88.9832

■ 44.6657, 64.5849,  
87.2010

■ 85.0889, 85.4237,  
89.0987

■ 44.0479, 64.2665,  
87.1714

■ 85.0890, 85.4238,  
89.0993

■ 43.8475, 64.1632,  
87.1617

■ 85.0891, 85.4238,  
89.0999

■ 85.0892, 85.4239,  
89.1005

■ 85.0893, 85.4239,  
89.1011

# Harmonies

## Analogous

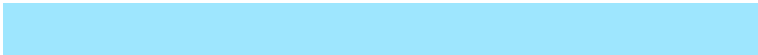
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.1105, 71.1296, 70.7641



57.3645, 71.1296, 87.7967



60.2618, 71.1296, 104.0935

# Triad

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



57.3645, 71.1296, 87.7967



76.3629, 71.1296, 101.4126



70.0396, 71.1296, 49.8277

# Complementary

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



57.3645, 71.1296, 87.7967



51.2446, 43.1351, 36.6382

# 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.



75.5251, 71.1296, 55.7883



57.3645, 71.1296, 87.7967



79.3157, 71.1296, 84.5402

# Square

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



57.3645, 71.1296, 87.7967



71.1295, 71.1296, 112.7072



79.0004, 71.1296, 67.9463



64.2019, 71.1296, 50.4358

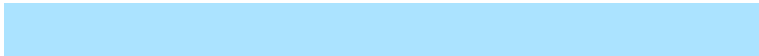


# Rectangle

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



57.3645, 71.1296, 87.7967



63.4029, 71.1296, 111.5992



79.0004, 71.1296, 67.9463



71.9920, 71.1296, 51.0890

# Sweetspot

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



57.3666, 71.1324, 87.7983



86.2827, 95.4803, 108.4890



48.8260, 67.7452, 41.5147



18.2251, 20.3115, 23.2097



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.



57.3666, 71.1324, 87.7983



66.9463, 85.5121, 107.5818



47.8102, 52.0189, 84.6148



15.5177, 17.1219, 19.4091



24.8790, 36.4061, 49.4554



1.9536, 2.8588, 3.8835



# Inverse Universe

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



51.2446, 43.1351, 36.6382



58.3813, 46.3425, 36.0065



58.5269, 57.7002, 39.0645



15.0656, 15.0541, 15.6305



19.0678, 9.8298, 0.8925

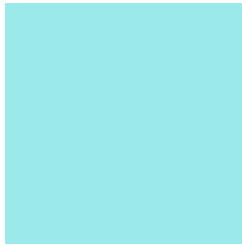


1.4973, 0.7719, 0.0701



# Previews

## White Background



This preview shows how the XYZ color 57.3645, 71.1296, 87.7967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

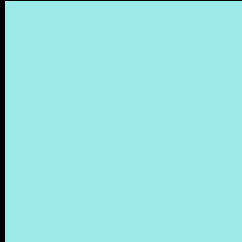
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3645, 71.1296, 87.7967 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 57.3645, 71.1296, 87.7967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3645, 71.1296, 87.7967.



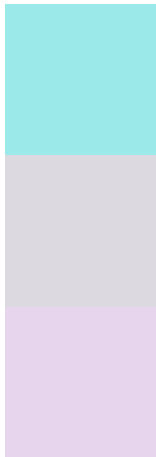
This preview shows how white text looks on a background with the XYZ color 57.3645, 71.1296,



# 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

57.3645, 71.1296, 87.7967

### Protanopia

68.0862, 70.3797, 80.5171

### Deuteranopia

71.7845, 70.1903, 89.8854



## Tritanopia

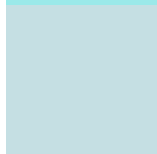
59.9729, 71.3623, 100.2359

# Trichromacy



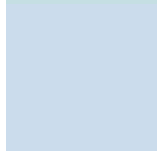
## Original Color

57.3645, 71.1296, 87.7967



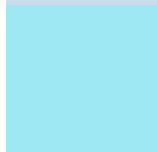
## Protanomaly

63.2788, 70.1917, 82.8863



## Deuteranomaly

65.3621, 69.9390, 89.4115



## Tritanomaly

59.1348, 71.4534, 95.4692

# Monochromacy



## Original Color

57.3645, 71.1296, 87.7967



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.9615, 66.1519, 75.9907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3645, 71.1296, 87.7967 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(155, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(155, 233, 233)  
}
```

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(155, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 233, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3645, 71.1296, 87.7967 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(155, 233, 233) }
```



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

```
.border{ border-color:rgb(155, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(155, 233,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3645, 71.1296, 87.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 233, 233) }
```

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

```
.background{ background-color: rgb(155,  
233, 233) }
```

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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