

# Converting Colors

XYZ(59.0452, 73.9591, 79.2532)

Have a look what the booklet for  
XYZ(59.0452, 73.9591, 79.2532)  
contains.

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# Color

**XYZ(59.0612, 73.8958,  
79.5571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6EDDD
RGB	166, 237, 221
RGB Percent	65%, 93%, 87%
CMY	0.3490, 0.0706, 0.1333
CMYK	0.30, 0.00, 0.07, 0.07
HSL	166°, 66%, 79%
HSV	166°, 30%, 93%
XYZ	59.0612, 73.8958, 79.5571
YIQ	213.9470, -37.1800, -20.0280

# Conversions

## Conversions Part 2

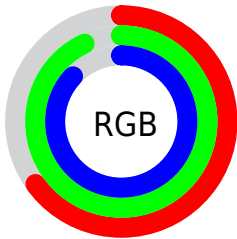
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 206, 237
Decimal	10939869
CIELab	88.87, -25.37, 0.68
CIELCh	89, 25.380, 178.467
Yxy	73.8958, 0.2779, 0.3477
Android (android.graphics.Color)	4289129949 (0xFFA6EDDD)
YUV	213.9470, 3.4771, -42.0495
Hunter-Lab	85.9627, -27.7951, 5.3019

# Details

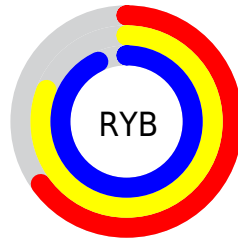
The XYZ color **59.0612, 73.8958, 79.5571** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0073, 48.6563, 50.6459**, and the grayscale version is **63.8778, 67.2044, 73.1856**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **30.0889, 39.2457, 42.0657** is the 20% darker color. If you saturate the color by 10%, you get **53.8435, 71.2888, 75.6578**, and if you desaturate by 10%, it is **65.2213, 76.9898, 83.6219**.

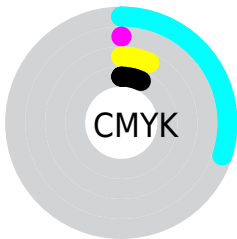
# Distribution



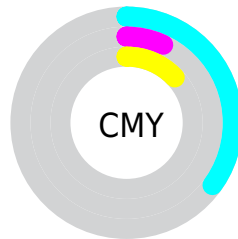
- Red (65%)
- Green (93%)
- Blue (87%)



- Red (65%)
- Yellow (81%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0612, 73.8958, 79.5571 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 59.0612, 73.8958, 79.5571 by changing the saturation by 10% instead.



59.0612, 73.8958,  
79.5571

59.0612, 73.8958,  
79.5571

411.0191,  
474.1137, 513.1063

42.9089, 54.7088,  
58.8299

102.5807,  
124.7481, 134.5486

30.0079, 39.1686,  
42.0571

130.6787,  
157.1821, 169.6501

19.9927, 26.8909,  
28.8201

163.4893,  
194.8006, 210.3800

12.4980, 17.4913,  
18.7004

201.3779,  
237.9879, 257.1570

7.1584, 10.5854,  
11.2794

244.7098,  
287.1285, 310.3996

3.6085, 5.7888,  
6.1385


293.8504,


1.4832, 2.7171,


342.6067, 370.5263


2.8594


349.1650,  
404.8070, 437.9557


 0.3143, 0.9859,  
1.0233


 0.0000, 0.0000,  
0.0000


 59.0612, 73.8958,  
79.5571

 59.0612, 73.8958,  
79.5571

 53.8435, 71.2888,  
75.6578


 65.2213, 76.9898,  
83.6219


 49.5113, 69.1338,  
71.9156

 72.3641, 80.5859,  
87.8503

 46.0112, 67.4052,  
68.3283

 80.5353, 84.7094,  
92.2473

 43.2815, 66.0713,  
64.8920

 87.6079, 88.2640,  
96.7142

■ 41.2516, 65.0955,  
61.6023

■ 88.4238, 88.5903,  
101.0107

■ 39.8375, 64.4347,  
58.4540

■ 89.2634, 88.9261,  
105.4318

■ 38.8976, 64.0160,  
55.4394

■ 89.5755, 89.0510,  
107.0752

■ 38.8940, 64.0144,  
55.4270

# Harmonies

## Analogous

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



60.6273, 73.8958, 64.0098



59.0612, 73.8958, 79.5571



60.3409, 73.8958, 97.7138

# Triad

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



59.0612, 73.8958, 79.5571



76.0269, 73.8958, 114.0701



76.6062, 73.8958, 54.8993

# Complementary

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



59.0612, 73.8958, 79.5571



57.0073, 48.6563, 50.6459

# 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.



81.1572, 73.8958, 65.3670



59.0612, 73.8958, 79.5571



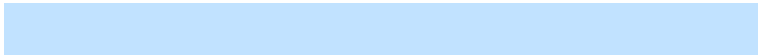
80.8092, 73.8958, 99.5115

# Square

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



59.0612, 73.8958, 79.5571



69.9198, 73.8958, 119.3027



82.7377, 73.8958, 81.3696



70.5527, 73.8958, 51.1215

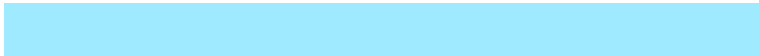


# Rectangle

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



59.0612, 73.8958, 79.5571



62.6802, 73.8958, 108.5802



82.7377, 73.8958, 81.3696



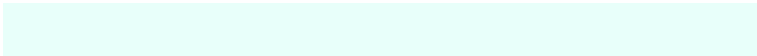
78.3753, 73.8958, 57.6693

# Sweetspot

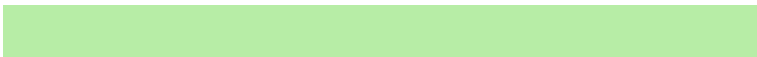
The Sweet Spot groups the original color and five complimentary colors.



59.0633, 73.8988, 79.5588



86.2832, 95.5755, 104.2010



56.5949, 73.3388, 47.2506



18.1850, 20.3144, 22.1440



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

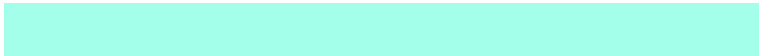


# Same Dimension

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



59.0633, 73.8988, 79.5588



65.8011, 85.2860, 91.0691



56.1029, 64.4014, 89.5980



15.3639, 17.0604, 18.5994



21.2857, 34.9687, 30.5332



1.7070, 2.7601, 2.5849



# Inverse Universe

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



57.0073, 48.6563, 50.6459



63.0130, 50.9816, 51.8064



59.1454, 55.4299, 43.6594



15.2045, 15.1096, 16.3622



19.4646, 9.9885, 2.9822

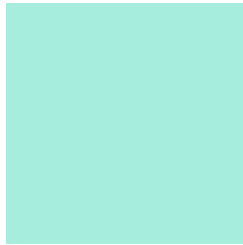


1.5641, 0.7986, 0.4218



# Previews

## White Background



This preview shows how the XYZ color 59.0612, 73.8958, 79.5571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

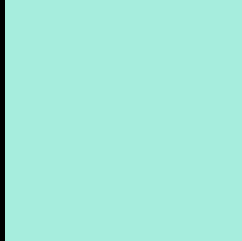
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0612, 73.8958, 79.5571 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

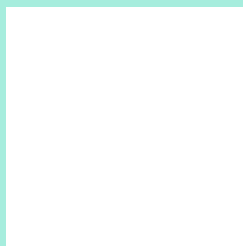
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.0612, 73.8958, 79.5571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0612, 73.8958, 79.5571.



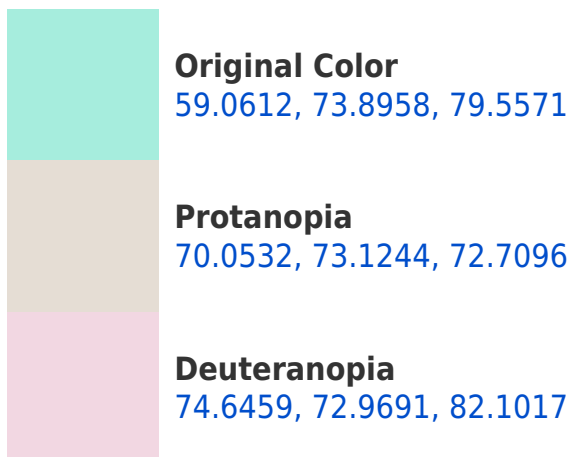
This preview shows how white text looks on a background with the XYZ color 59.0612, 73.8958,



# 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





## Tritanopia

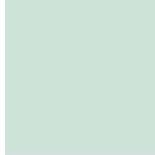
63.7851, 74.1271, 102.2129

# Trichromacy



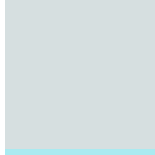
## Original Color

59.0612, 73.8958, 79.5571



## Protanomaly

65.1884, 72.9663, 74.9381



## Deuteranomaly

67.5738, 72.4533, 80.9444



## Tritanomaly

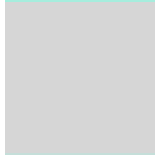
61.7286, 73.6830, 93.4069

# Monochromacy



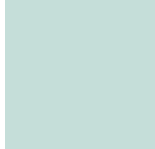
## Original Color

59.0612, 73.8958, 79.5571



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

61.6716, 69.1226, 75.7372

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0612, 73.8958, 79.5571 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(166, 237, 221)` looks like.

```
.text, #text, p{  
    color:rgb(166, 237, 221)  
}
```

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(166, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 237, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0612, 73.8958, 79.5571 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(166, 237, 221) }
```



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

```
.border{ border-color:rgb(166, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(166, 237,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0612, 73.8958, 79.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 237, 221) }
```

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

```
.background{ background-color: rgb(166,  
237, 221) }
```

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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