

# Converting Colors

XYZ(59.9206, 71.8686, 79.9148)

Have a look what the booklet for  
XYZ(59.9206, 71.8686, 79.9148)  
contains.

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# Color

**XYZ(59.8922, 71.7729,  
79.8041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E7DE
RGB	177, 231, 222
RGB Percent	69%, 91%, 87%
CMY	0.3059, 0.0941, 0.1294
CMYK	0.23, 0.00, 0.04, 0.09
HSL	170°, 53%, 80%
HSV	170°, 23%, 91%
XYZ	59.8922, 71.7729, 79.8041
YIQ	213.8280, -29.2950, -14.2470

# Conversions

## Conversions Part 2

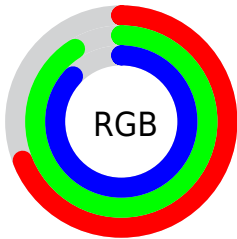
Format	Color
<b>RYB</b>	177, 206, 231
Decimal	11659230
CIELab	87.86, -19.01, -1.26
CIElCh	88, 19.049, 183.780
Yxy	71.7729, 0.2832, 0.3394
Android (android.graphics.Color)	4289849310 (0xFFB1E7DE)
YUV	213.8280, 4.0288, -32.2982
Hunter-Lab	84.7189, -22.0671, 3.4528

# Details

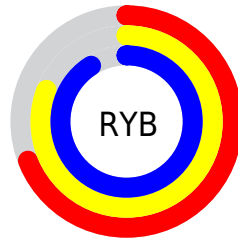
The XYZ color **59.8922, 71.7729, 79.8041** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.5426, 51.9803, 53.4578**, and the grayscale version is **63.7904, 67.1125, 73.0855**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **30.4734, 37.6609, 42.2224** is the 20% darker color. If you saturate the color by 10%, you get **54.5596, 69.0847, 76.8920**, and if you desaturate by 10%, it is **66.1314, 74.9309, 82.8233**.

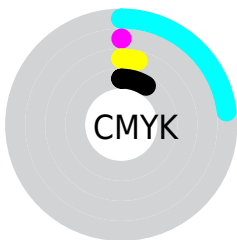
# Distribution



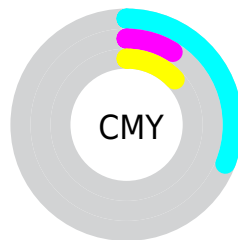
- Red (69%)
- Green (91%)
- Blue (87%)



- Red (69%)
- Yellow (81%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8922, 71.7729, 79.8041 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 59.8922, 71.7729, 79.8041 by changing the saturation by 10% instead.



■ 59.8922, 71.7729,  
79.8041

■ 59.8922, 71.7729,  
79.8041

414.0414,  
466.7508, 513.9617

■ 43.5809, 52.9732,  
59.0319

■ 103.7805,  
121.7336, 134.8992

■ 30.5376, 37.7814,  
42.2187

132.0882,  
153.6634, 170.0592

■ 20.3971, 25.8130,  
28.9457

165.1254,  
190.7386, 210.8522

■ 12.7940, 16.6838,  
18.7945

203.2575,  
233.3437, 257.6968

■ 7.3629, 10.0093,  
11.3466

246.8497,  
281.8631, 311.0115

■ 3.7384, 5.4051,  
6.1834

296.2676,

■ 1.5552, 2.4869,

336.6811, 371.2149

2.8863

351.8764,  
398.1822, 438.7255

■ 0.3630, 0.8701,  
1.0369

■ 0.0000, 0.0000,  
0.0000

■ 59.8922, 71.7729,  
79.8041

■ 59.8922, 71.7729,  
79.8041

■ 54.5596, 69.0847,  
76.8920

■ 66.1314, 74.9309,  
82.8233

■ 50.0824, 66.8342,  
74.0795

■ 73.3127, 78.5713,  
85.9470


■ 46.4140, 64.9994,  
71.3656


■ 81.4774, 82.7172,  
89.1790


■ 43.5006, 63.5524,  
68.7474


■ 85.1628, 84.5527,  
92.2642


 41.2818, 62.4622,  
66.2216


 85.7329, 84.7807,  
95.2668


 39.6879, 61.6928,  
63.7846


 86.3153, 85.0137,  
98.3334

 38.6343, 61.2006,  
61.4319

 86.9099, 85.2515,  
101.4645

 38.1463, 60.9821,  
59.9159

 87.5168, 85.4943,  
104.6605

 87.8672, 85.6344,  
106.5057

# Harmonies

## Analogous

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



60.7000, 71.7729, 67.6390



59.8922, 71.7729, 79.8041



61.2327, 71.7729, 92.8517

# Triad

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



59.8922, 71.7729, 79.8041



73.1754, 71.7729, 100.7655



72.1384, 71.7729, 57.8418

# Complementary

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



59.8922, 71.7729, 79.8041



57.5426, 51.9803, 53.4578

# 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.



75.7153, 71.7729, 65.0856



59.8922, 71.7729, 79.8041



76.3324, 71.7729, 89.6938

# Square

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



59.8922, 71.7729, 79.8041



68.7937, 71.7729, 105.7697



77.2817, 71.7729, 76.5159



67.6455, 71.7729, 55.8105

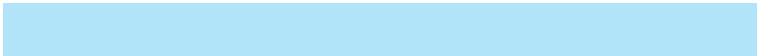


# Rectangle

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



59.8922, 71.7729, 79.8041



63.2005, 71.7729, 100.0454



77.2817, 71.7729, 76.5159



73.4942, 71.7729, 59.7052

# Sweetspot

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



59.8943, 71.7758, 79.8057



88.3097, 96.5802, 106.1029



56.9830, 70.8814, 52.2744



18.7836, 20.6121, 22.6594



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

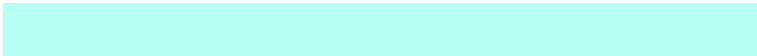


# Same Dimension

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



59.8943, 71.7758, 79.8057



71.6237, 88.1379, 98.1077



56.5787, 63.1617, 84.8142



14.6988, 16.2930, 17.9448



21.4242, 34.2018, 33.7980



1.6107, 2.5384, 2.6425



# Inverse Universe

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



57.5426, 51.9803, 53.4578



68.2049, 59.3380, 59.7874



60.2073, 58.7936, 49.7713



14.4745, 14.4070, 15.4333



18.7063, 9.6167, 2.0825

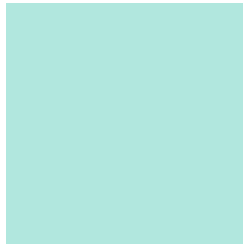


1.4118, 0.7224, 0.3092



# Previews

## White Background



This preview shows how the XYZ color 59.8922, 71.7729, 79.8041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

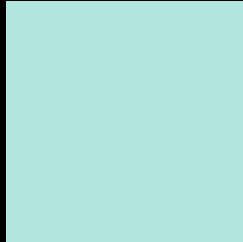
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8922, 71.7729, 79.8041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

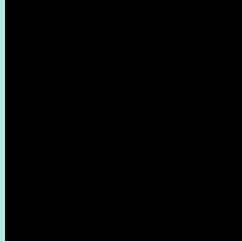
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

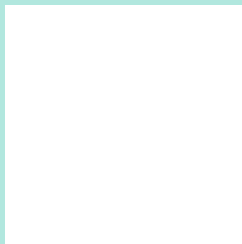
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.8922, 71.7729, 79.8041

## Background



This preview shows how black text looks on a background with the XYZ color 59.8922, 71.7729, 79.8041.



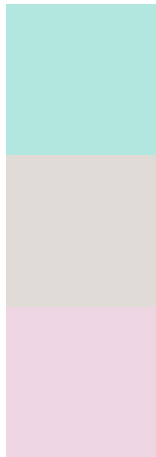
This preview shows how white text looks on a background with the XYZ color 59.8922, 71.7729,



# 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

59.8922, 71.7729, 79.8041

### Protanopia

68.6486, 71.5769, 74.4875

### Deuteranopia

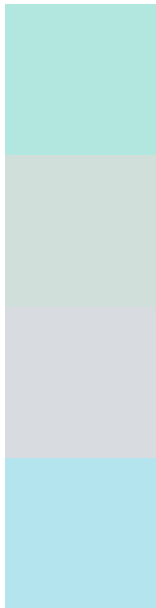
72.7816, 71.2566, 81.8694



## Tritanopia

63.3950, 71.5371, 97.6555

# Trichromacy



**Original Color**

59.8922, 71.7729, 79.8041

**Protanomaly**

65.0550, 71.2472, 76.6530

**Deuteranomaly**

67.5027, 71.2216, 81.4235

**Tritanomaly**

61.8519, 71.3045, 90.6240

# Monochromacy



**Original Color**

59.8922, 71.7729, 79.8041

**Achromatopsia**

63.9157, 67.2443, 73.2291

**Achromatomaly**

62.2050, 68.6137, 75.6108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8922, 71.7729, 79.8041 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(177, 231, 222)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 222)  
}
```

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(177, 231, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8922, 71.7729, 79.8041 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(177, 231, 222) }
```



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

```
.border{ border-color:rgb(177, 231, 222) }
```

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

Here you see how a box with a 4 pixel rgb(177, 231, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 222);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8922, 71.7729, 79.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 222) }
```

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

```
.background{ background-color: rgb(177,  
231, 222) }
```

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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