

Converting Colors

XYZ(59.8495, 73.9250, 85.1002)

Have a look what the booklet for
XYZ(59.8495, 73.9250, 85.1002)
contains.

XYZ(59.8642, 73.7550, 85.2097)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.8642, 73.7550,
85.2097)**

Conversions

Conversions Part 1

Format	Color
Hex	A6ECE5
RGB	166, 236, 229
RGB Percent	65%, 93%, 90%
CMY	0.3490, 0.0745, 0.1020
CMYK	0.30, 0.00, 0.03, 0.07
HSL	174°, 65%, 79%
HSV	174°, 30%, 93%
XYZ	59.8642, 73.7550, 85.2097
YIQ	214.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

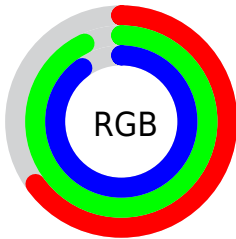
Format	Color
R _Y B	166, 203, 236
Decimal	10939621
CIE Lab	88.81, -23.16, -3.61
CIE LCh	89, 23.437, 188.848
Yxy	73.7550, 0.2736, 0.3370
Android (android.graphics.Color)	4289129701 (0xFFA6ECE5)
YUV	214.2720, 7.2609, -42.3345
Hunter-Lab	85.8807, -25.8657, 1.2898

Details

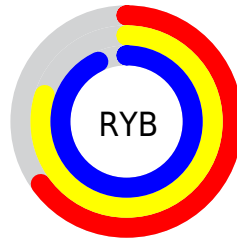
The XYZ color **59.8642, 73.7550, 85.2097** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7737, 48.1245, 45.8875**, and the grayscale version is **64.0730, 67.4098, 73.4093**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **30.5168, 39.0780, 45.9788** is the 20% darker color. If you saturate the color by 10%, you get **55.0368, 71.3061, 83.2761**, and if you desaturate by 10%, it is **65.6081, 76.6796, 87.2128**.

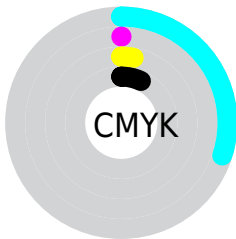
Distribution



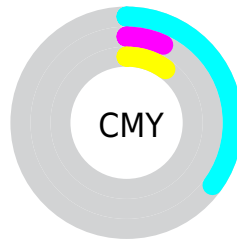
- Red (65%)
- Green (93%)
- Blue (90%)



- Red (65%)
- Yellow (80%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (35%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8642, 73.7550, 85.2097 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 59.8642, 73.7550, 85.2097 by changing the saturation by 10% instead.


 59.8642, 73.7550,
85.2097


 59.8642, 73.7550,
85.2097


413.9398,
473.6274, 532.4844

 43.5582, 54.5935,
63.4635


 103.7401,
124.5484, 142.5429

 30.5198, 39.0764,
45.7729


 132.0408,
156.9492, 178.9670

 20.3835, 26.8192,
31.7193


165.0704,
194.5319, 221.1208

 12.7840, 17.4375,
20.8841

203.1942,
237.6808, 269.4228

 7.3559, 10.5469,
12.8489

246.7778,
286.7804, 324.2917

 3.7340, 5.7630,
7.1951


296.1863,


 1.5528, 2.7015,


342.2152, 386.1458


3.5041


351.7852,
404.3693, 455.4039


 0.3613, 0.9780,
1.3574


 0.0000, 0.0000,
0.1082


 59.8642, 73.7550,
85.2097


 59.8642, 73.7550,
85.2097


 55.0368, 71.3061,
83.2761


 65.6081, 76.6796,
87.2128


 51.0699, 69.2984,
81.4044

 72.3081, 80.0947,
89.2826

 47.9110, 67.7067,
79.5938

 80.0091, 84.0253,
91.4228

 45.4994, 66.4998,
77.8413

 86.7348, 87.4527,
93.5410

■ 43.7657, 65.6418,
76.1436

■ 87.0850, 87.5927,
95.3846

■ 42.6277, 65.0904,
74.4967

■ 87.4396, 87.7346,
97.2523

■ 41.9505, 64.7761,
72.8942

■ 87.7989, 87.8783,
99.1441

■ 41.9303, 64.7669,
72.8404

■ 88.1628, 88.0238,
101.0602

■ 88.5312, 88.1712,
103.0007

Harmonies

Analogous

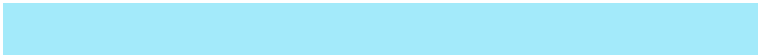
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.4106, 73.7550, 69.5508



59.8642, 73.7550, 85.2097



61.9432, 73.7550, 101.5450

Triad

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



59.8642, 73.7550, 85.2097



77.1710, 73.7550, 107.1836



74.1131, 73.7550, 54.5472

Complementary

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



59.8642, 73.7550, 85.2097



55.7737, 48.1245, 45.8875

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.



78.9473, 73.7550, 62.2576



59.8642, 73.7550, 85.2097



80.7779, 73.7550, 92.1179

Square

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



59.8642, 73.7550, 85.2097



71.7936, 73.7550, 115.3085



81.4450, 73.7550, 75.5954



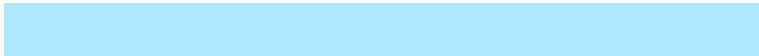
68.4370, 73.7550, 53.2188

Rectangle

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



59.8642, 73.7550, 85.2097



64.6078, 73.7550, 110.1266



81.4450, 73.7550, 75.5954



75.8990, 73.7550, 56.4233

Sweetspot

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



59.8663, 73.7580, 85.2114



86.7375, 95.7572, 106.5930



54.3734, 71.7649, 47.0641



18.2976, 20.3594, 22.7369



0.0000, 0.0000, 0.0000



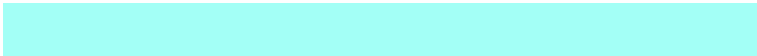
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8663, 73.7580, 85.2114



67.5117, 85.9702, 100.0770



53.7098, 59.8484, 88.0813



15.4489, 17.0944, 19.0469



23.1394, 35.7102, 40.2946



1.8358, 2.8116, 3.2632

Inverse Universe

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



55.7737, 48.1245, 45.8875



61.8560, 50.5188, 45.7140



60.5107, 58.6548, 44.2101



15.1267, 15.0785, 15.9524



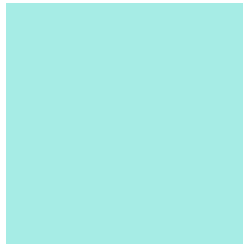
19.1779, 9.8738, 1.4721



1.5266, 0.7836, 0.2246

Previews

White Background



This preview shows how the XYZ color 59.8642, 73.7550, 85.2097 looks on a white background.

Color Contrast Check

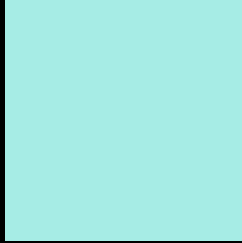
Large Text (above 18pt) WCAG AA × Fail

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 59.8642, 73.7550, 85.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

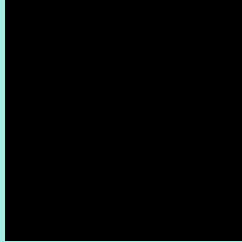
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

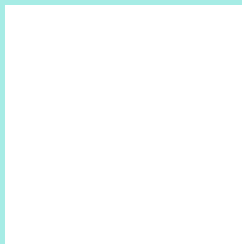
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8642, 73.7550, 85.2097

Background



This preview shows how black text looks on a background with the XYZ color 59.8642, 73.7550, 85.2097.

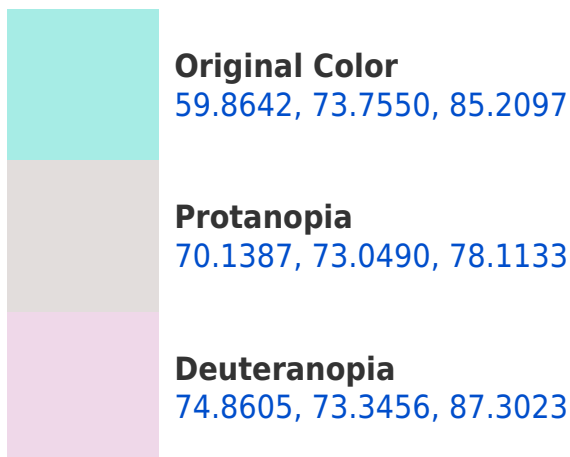


This preview shows how white text looks on a background with the XYZ color 59.8642, 73.7550,

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

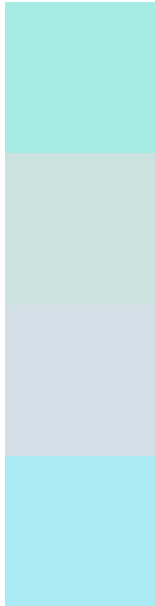




Tritanopia

63.3461, 73.9008, 102.1924

Trichromacy



Original Color

59.8642, 73.7550, 85.2097

Protanomaly

65.4175, 72.5578, 80.3692

Deuteranomaly

68.1045, 72.5986, 86.7674

Tritanomaly

61.9627, 73.7517, 95.7637

Monochromacy



Original Color

59.8642, 73.7550, 85.2097

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.9334, 69.2273, 77.1158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8642, 73.7550, 85.2097 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, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 229)  
}
```

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, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.8642, 73.7550, 85.2097 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, 236, 229) }
```


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

```
.border{ border-color:rgb(166, 236, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 236, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 236, 229); box-shadow:4px 4px 4px 4px rgb(166, 236, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8642, 73.7550, 85.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 229) }
```

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

```
.background{ background-color: rgb(166,  
236, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor