

Converting Colors

XYZ(68.3649, 100.0000,
90.6965)

Have a look what the booklet for
XYZ(68.3649, 100.0000, 90.6965)
contains.

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Color

**XYZ(59.4030, 82.0585,
87.5709)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFE6
RGB	131, 255, 230
RGB Percent	51%, 100%, 90%
CMY	0.4863, 0.0000, 0.0980
CMYK	0.49, 0.00, 0.10, 0.00
HSL	168°, 100%, 76%
HSV	168°, 49%, 100%
XYZ	59.4030, 82.0585, 87.5709
YIQ	215.0740, -65.8790, -34.0630

Conversions

Conversions Part 2

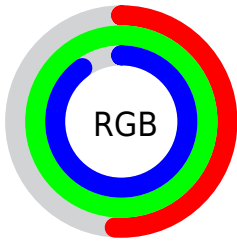
Format	Color
RYB	131, 200, 255
Decimal	8650726
CIELab	92.60, -40.62, 1.25
CIElCh	93, 40.635, 178.238
Yxy	82.0585, 0.2594, 0.3583
Android (android.graphics.Color)	4286840806 (0xFF83FFE6)
YUV	215.0740, 7.3585, -73.7329
Hunter-Lab	90.5861, -41.4721, 6.0938

Details

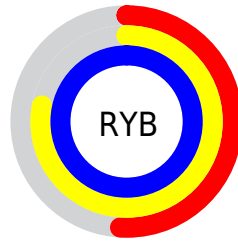
The XYZ color **59.4030, 82.0585, 87.5709** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **55.3578, 39.8941, 36.2362**, and the grayscale version is **64.6254, 67.9909, 74.0421**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **30.3158, 44.7123, 47.5900** is the 20% darker color. If you saturate the color by 10%, you get **55.2167, 79.9825, 83.6627**, and if you desaturate by 10%, it is **64.5841, 84.6447, 91.6396**.

Distribution



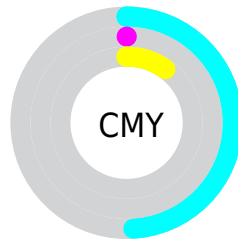
- Red (51%)
- Green (100%)
- Blue (90%)



- Red (51%)
- Yellow (78%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4030, 82.0585, 87.5709 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 59.4030, 82.0585, 87.5709 by changing the saturation by 10% instead.


 59.4030, 82.0585,
87.5709


 59.4030, 82.0585,
87.5709


412.2638,
501.8434, 540.4618


 43.1852, 61.4138,
65.4054


 103.0744,
136.2560, 145.8655

 30.2256, 44.5592,
47.3365


 131.2588,
170.5776, 182.8317

 20.1588, 31.1103,
32.9455


 164.1628,
210.2269, 225.5686

 12.6195, 20.6829,
21.8139

202.1517,
255.5884, 274.4947

 7.2422, 12.8924,
13.5232

245.5909,
307.0463, 330.0285

 3.6617, 7.3545,
7.6549

294.8457,

 1.5126, 3.6848,

364.9852, 392.5886

3.7903

350.2816,
429.7894, 462.5935

■ 0.3344, 1.4988,
1.5110

■ 0.0000, 0.2879,
0.2261

■ 59.4030, 82.0585,
87.5709

■ 59.4030, 82.0585,
87.5709

■ 55.2167, 79.9825,
83.6627

■ 64.5841, 84.6447,
91.6396

■ 51.9498, 78.3781,
79.9064

■ 70.8228, 87.7737,
95.8685

■ 49.5202, 77.2030,
76.2985

■ 78.1796, 91.4767,
100.2627

■ 47.8298, 76.4065,
72.8335

■ 86.7098, 95.7820,
104.8258

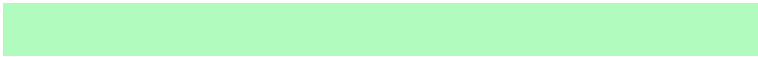
■ 46.7386, 75.9165, 95.0500, 100.0000,
69.5038 108.9000

■ 46.6101, 75.8600,
69.0556

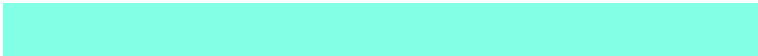
Harmonies

Analogous

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



61.9679, 82.0585, 62.0921



59.4030, 82.0585, 87.5709



61.4337, 82.0585, 119.7925

Triad

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



59.4030, 82.0585, 87.5709



88.0042, 82.0585, 151.0175



89.1819, 82.0585, 48.4539

Complementary

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



59.4030, 82.0585, 87.5709



55.3578, 39.8941, 36.2362

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.



97.2916, 82.0585, 64.5548



59.4030, 82.0585, 87.5709



96.5696, 82.0585, 123.5993

Square

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



59.4030, 82.0585, 87.5709



77.3712, 82.0585, 161.0142



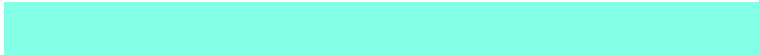
100.1083, 82.0585, 91.1485



78.6204, 82.0585, 42.9053

Rectangle

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



59.4030, 82.0585, 87.5709



65.2331, 82.0585, 140.1405



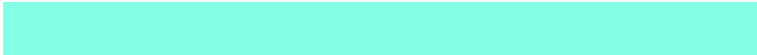
100.1083, 82.0585, 91.1485



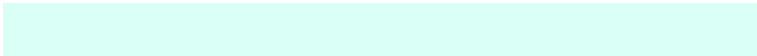
92.3195, 82.0585, 52.6026

Sweetspot

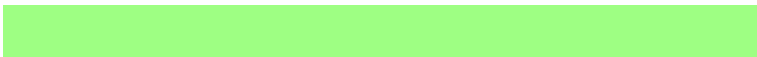
The Sweet Spot groups the original color and five complimentary colors.



59.4039, 82.0589, 87.5723



81.1341, 92.9667, 101.8975



53.9320, 80.4147, 34.1533



16.9943, 19.7112, 21.6062



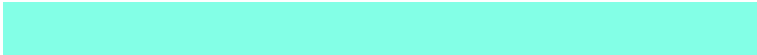
0.0000, 0.0000, 0.0000



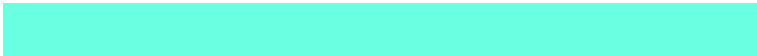
20.3446, 21.4041, 23.3091

Same Dimension

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



59.4039, 82.0589, 87.5723



55.4510, 80.0982, 83.9028



52.9693, 63.1627, 104.0076



18.3887, 20.4150, 22.3497



24.4098, 39.6605, 36.3730



2.4146, 3.8768, 3.7412

Inverse Universe

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



55.3578, 39.8941, 36.2362



51.0176, 33.6000, 27.4324



58.9980, 50.2209, 28.0583



18.1591, 18.0469, 19.4549



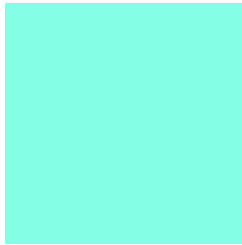
21.9077, 11.2524, 2.8984



2.1698, 1.1103, 0.4757

Previews

White Background



This preview shows how the XYZ color 59.4030, 82.0585, 87.5709 looks on a white background.

Color Contrast Check

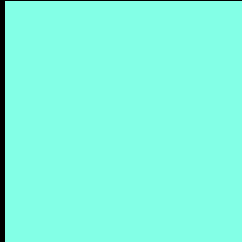
Large Text (above 18pt) WCAG AA × Fail

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 59.4030, 82.0585, 87.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

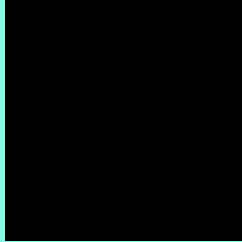
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4030, 82.0585, 87.5709

Background



This preview shows how black text looks on a background with the XYZ color 59.4030, 82.0585, 87.5709.

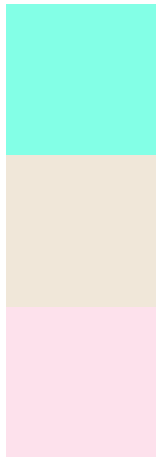


This preview shows how white text looks on a background with the XYZ color 59.4030, 82.0585,

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

59.4030, 82.0585, 87.5709

Protanopia

77.0355, 80.6868, 77.1596

Deuteranopia

82.5735, 80.7892, 90.5987



Tritanopia

70.3503, 81.7603, 106.6812

Trichromacy



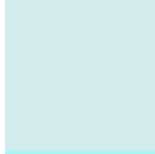
Original Color

59.4030, 82.0585, 87.5709



Protanomaly

68.1643, 79.8735, 80.9317



Deuteranomaly

71.1412, 79.4867, 89.4348



Tritanomaly

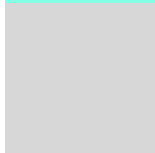
65.6212, 81.2823, 99.4192

Monochromacy



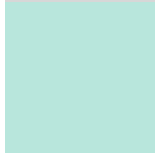
Original Color

59.4030, 82.0585, 87.5709



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9822, 71.9513, 78.3840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4030, 82.0585, 87.5709 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(131, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 230)  
}
```

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(131, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 59.4030, 82.0585, 87.5709 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(131, 255, 230) }
```


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

```
.border{ border-color:rgb(131, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4030, 82.0585, 87.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 230) }
```

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

```
.background{ background-color: rgb(131,  
255, 230) }
```

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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