

Converting Colors

XYZ(59.2797, 81.1390, 86.9725)

Have a look what the booklet for
XYZ(59.2797, 81.1390, 86.9725)
contains.

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Color

**XYZ(59.0997, 80.9760,
86.6438)**

Conversions

Conversions Part 1

Format	Color
Hex	86FDE5
RGB	134, 253, 229
RGB Percent	53%, 99%, 90%
CMY	0.4745, 0.0078, 0.1020
CMYK	0.47, 0.00, 0.09, 0.01
HSL	168°, 97%, 76%
HSV	168°, 47%, 99%
XYZ	59.0997, 80.9760, 86.6438
YIQ	214.6830, -63.2200, -32.6920

Conversions

Conversions Part 2

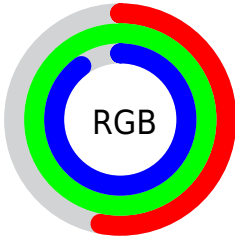
Format	Color
RYB	134, 200, 253
Decimal	8846821
CIELab	92.12, -39.28, 1.08
CIELCh	92, 39.292, 178.423
Yxy	80.9760, 0.2607, 0.3572
Android (android.graphics.Color)	4287036901 (0xFF86FDE5)
YUV	214.6830, 7.0583, -70.7590
Hunter-Lab	89.9867, -40.2449, 5.9032

Details

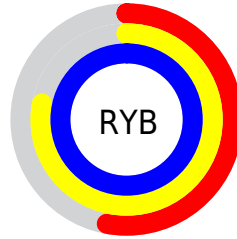
The XYZ color **59.0997, 80.9760, 86.6438** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **55.2075, 40.4038, 37.2399**, and the grayscale version is **64.3634, 67.7153, 73.7420**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **30.1276, 43.9523, 46.9402** is the 20% darker color. If you saturate the color by 10%, you get **54.8378, 78.8621, 82.7807**, and if you desaturate by 10%, it is **64.3517, 83.6020, 90.6661**.

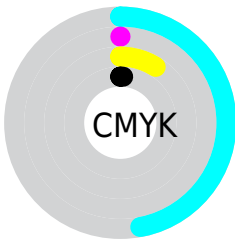
Distribution



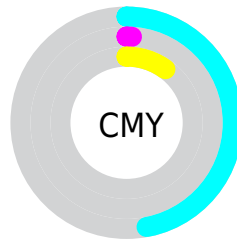
- Red (53%)
- Green (99%)
- Blue (90%)



- Red (53%)
- Yellow (78%)
- Blue (99%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (47%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0997, 80.9760, 86.6438 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 59.0997, 80.9760, 86.6438 by changing the saturation by 10% instead.


 59.0997, 80.9760,
86.6438


 59.0997, 80.9760,
86.6438


411.1594,
498.2160, 537.3375


 42.9401, 60.5218,
64.6425


 102.6364,
134.7371, 144.5620

 30.0324, 43.8394,
46.7218


 130.7441,
168.8128, 181.3161

 20.0114, 30.5443,
32.4630


 163.5652,
208.1977, 223.8248

 12.5116, 20.2521,
21.4476

201.4651,
253.2764, 272.5068

 7.1678, 12.5784,
13.2572

244.8091,
304.4332, 327.7804

 3.6145, 7.1389,
7.4731

293.9626,

 1.4865, 3.5491,

362.0524, 390.0644

3.6768

349.2909,
426.5186, 459.7773

■ 0.3166, 1.4247,
1.4498

■ 0.0000, 0.2348,
0.1801

■ 59.0997, 80.9760,
86.6438

■ 59.0997, 80.9760,
86.6438

■ 54.8378, 78.8621,
82.7807

■ 64.3517, 83.6020,
90.6661

■ 51.4889, 77.2144,
79.0670

■ 70.6499, 86.7628,
94.8459

■ 48.9759, 75.9952,
75.4999

■ 78.0547, 90.4917,
99.1887

■ 47.2054, 75.1565,
72.0741

■ 86.6194, 94.8160,
103.6978

■ 46.0581, 74.6367,
68.7830

94.3390, 98.7022,
108.2803

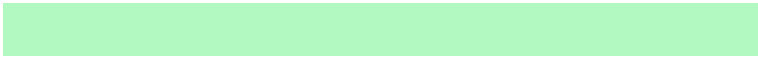
■ 45.7841, 74.5162,
67.8303

94.4166, 98.7332,
108.6889

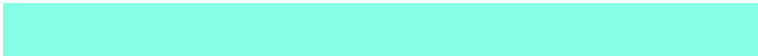
Harmonies

Analogous

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



61.5434, 80.9760, 62.0788



59.0997, 80.9760, 86.6438



61.0830, 80.9760, 117.4570

Triad

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



59.0997, 80.9760, 86.6438



86.6079, 80.9760, 146.8507



87.6156, 80.9760, 48.6905

Complementary

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



59.0997, 80.9760, 86.6438



55.2075, 40.4038, 37.2399

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.



95.3863, 80.9760, 64.2057



59.0997, 80.9760, 86.6438



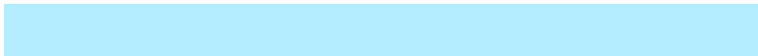
94.7696, 80.9760, 120.7037

Square

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



59.0997, 80.9760, 86.6438



76.4308, 80.9760, 156.4665



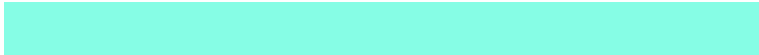
98.1108, 80.9760, 89.7122



77.5022, 80.9760, 43.3561

Rectangle

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



59.0997, 80.9760, 86.6438



64.7559, 80.9760, 136.7966



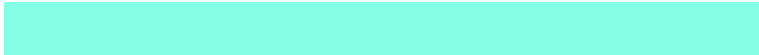
98.1108, 80.9760, 89.7122



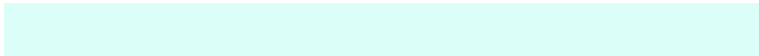
90.6202, 80.9760, 52.6935

Sweetspot

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



59.1020, 80.9792, 86.6457



81.9759, 93.3915, 102.3495



53.8849, 79.4263, 35.0468



17.1604, 19.7950, 21.6973



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.



59.1020, 80.9792, 86.6457



56.2221, 80.4797, 84.6643



52.9692, 62.9741, 102.2955



18.3886, 20.4150, 22.3493



24.4083, 39.6599, 36.3650



2.4145, 3.8767, 3.7405

Inverse Universe

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



55.2075, 40.4038, 37.2399



51.8642, 34.8157, 29.1870



58.7642, 50.5073, 29.2076



18.1592, 18.0470, 19.4553



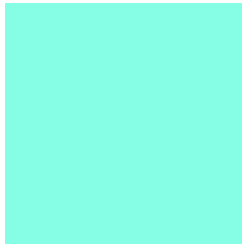
21.9080, 11.2525, 2.9000



2.1699, 1.1103, 0.4759

Previews

White Background



This preview shows how the XYZ color 59.0997, 80.9760, 86.6438 looks on a white background.

Color Contrast Check

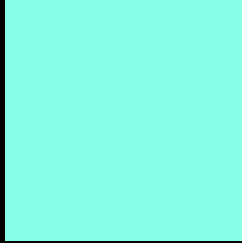
Large Text (above 18pt) WCAG AA × Fail

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 59.0997, 80.9760, 86.6438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

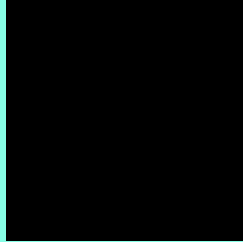
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.0997, 80.9760, 86.6438

Background



This preview shows how black text looks on a background with the XYZ color 59.0997, 80.9760, 86.6438.



This preview shows how white text looks on a background with the XYZ color 59.0997, 80.9760,

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

59.0997, 80.9760, 86.6438

Protanopia

76.2881, 79.9022, 76.3676

Deuteranopia

81.4347, 79.8187, 89.7117



Tritanopia

69.0935, 80.6693, 106.5369

Trichromacy



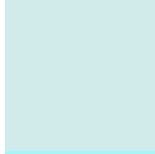
Original Color

59.0997, 80.9760, 86.6438



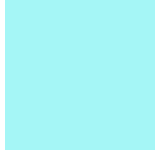
Protanomaly

67.7131, 78.7870, 80.0452



Deuteranomaly

70.4287, 78.7098, 88.5713



Tritanomaly

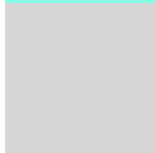
65.1074, 80.5647, 99.3078

Monochromacy



Original Color

59.0997, 80.9760, 86.6438



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1873, 71.6450, 78.3141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0997, 80.9760, 86.6438 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(134, 253, 229)` looks like.

```
.text, #text, p{  
    color:rgb(134, 253, 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(134, 253, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 253, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.0997, 80.9760, 86.6438 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(134, 253, 229) }
```


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

```
.border{ border-color:rgb(134, 253, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 253, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 253, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 253, 229);  
box-shadow:4px 4px 4px 4px rgb(134, 253,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0997, 80.9760, 86.6438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 253, 229) }
```

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

```
.background{ background-color: rgb(134,  
253, 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](#).

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