

Converting Colors

XYZ(58.9875, 80.3810, 81.1828)

Have a look what the booklet for
XYZ(58.9875, 80.3810, 81.1828)
contains.

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Color

**XYZ(59.1505, 80.6455,
81.5558)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFCDE
RGB	142, 252, 222
RGB Percent	56%, 99%, 87%
CMY	0.4431, 0.0117, 0.1294
CMYK	0.44, 0.00, 0.12, 0.01
HSL	164°, 95%, 77%
HSV	164°, 44%, 99%
XYZ	59.1505, 80.6455, 81.5558
YIQ	215.6900, -55.9300, -32.6500

Conversions

Conversions Part 2

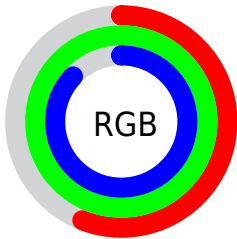
Format	Color
RYB	142, 206, 252
Decimal	9370846
CIELab	91.97, -38.52, 4.53
CIELCh	92, 38.785, 173.295
Yxy	80.6455, 0.2672, 0.3643
Android (android.graphics.Color)	4287560926 (0xFF8EFCDE)
YUV	215.6900, 3.1108, -64.6261
Hunter-Lab	89.8028, -39.5822, 9.0169

Details

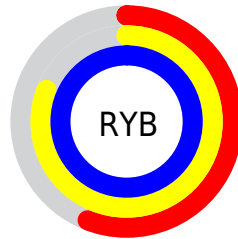
The XYZ color **59.1505, 80.6455, 81.5558** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2669, 43.0220, 44.3184**, and the grayscale version is **65.0679, 68.4565, 74.5492**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **30.0574, 43.6592, 43.4021** is the 20% darker color. If you saturate the color by 10%, you get **54.4037, 78.3048, 76.6236**, and if you desaturate by 10%, it is **64.9167, 83.5115, 86.7353**.

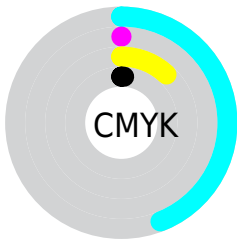
Distribution



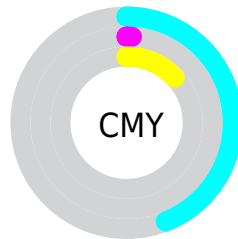
- Red (56%)
- Green (99%)
- Blue (87%)



- Red (56%)
- Yellow (81%)
- Blue (99%)



- Cyan (44%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1505, 80.6455, 81.5558 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 59.1505, 80.6455, 81.5558 by changing the saturation by 10% instead.


 59.1505, 80.6455,
81.5558


 59.1505, 80.6455,
81.5558


411.3445,
497.1056, 520.0050

 42.9811, 60.2497,
60.4658


 102.7097,
134.2729, 137.3820

 30.0648, 43.6199,
43.3664


 130.8303,
168.2733, 172.9552

 20.0361, 30.3718,
29.8392


163.6653,
207.5772, 214.1933

 12.5297, 20.1210,
19.4655

201.5802,
252.5693, 261.5148

 7.1802, 12.4830,
11.8269

244.9401,
303.6337, 315.3381

 3.6224, 7.0735,
6.5048

294.1106,

 1.4908, 3.5081,

361.1550, 376.0819

3.0807

349.4569,
425.5175, 444.1647

■ 0.3196, 1.4024,
1.1360

■ 0.0000, 0.2185,
0.0000

■ 59.1505, 80.6455,
81.5558

■ 59.1505, 80.6455,
81.5558

■ 54.4037, 78.3048,
76.6236

■ 64.9167, 83.5115,
86.7353

■ 50.6024, 76.4452,
71.9276

■ 71.7563, 86.9245,
92.1617

■ 47.6734, 75.0309,
67.4639

■ 79.7278, 90.9164,
97.8416

■ 45.5291, 74.0171,
63.2259

■ 88.8830, 95.5142,
103.7796

■ 44.0633, 73.3489,
59.2063

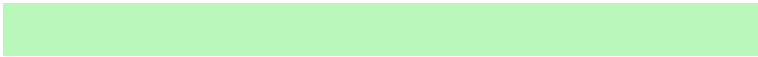
■ 94.1018, 98.1036,
108.5839

■ 43.3873, 73.0538,
56.7617

Harmonies

Analogous

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



62.2910, 80.6455, 58.9213



59.1505, 80.6455, 81.5558



60.3627, 80.6455, 111.3508

Triad

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



59.1505, 80.6455, 81.5558



84.4821, 80.6455, 148.4795



88.6851, 80.6455, 50.7488

Complementary

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



59.1505, 80.6455, 81.5558



57.2669, 43.0220, 44.3184

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.



95.6341, 80.6455, 67.8442



59.1505, 80.6455, 81.5558



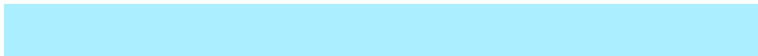
93.0643, 80.6455, 124.8668

Square

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



59.1505, 80.6455, 81.5558



74.4353, 80.6455, 154.3730



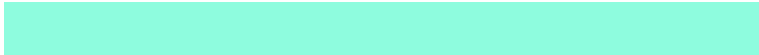
97.3022, 80.6455, 94.3744



78.9105, 80.6455, 43.8024

Rectangle

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



59.1505, 80.6455, 81.5558



63.5322, 80.6455, 131.0785



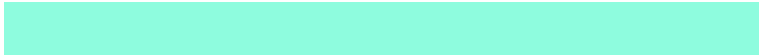
97.3022, 80.6455, 94.3744



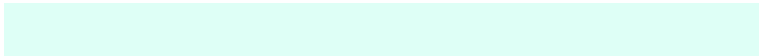
91.4621, 80.6455, 55.2942

Sweetspot

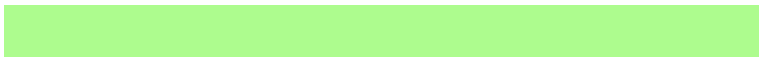
The Sweet Spot groups the original color and five complimentary colors.



59.1528, 80.6487, 81.5577



82.4664, 93.6772, 100.8904



56.9658, 80.4804, 38.1243



17.2384, 19.8438, 21.3132



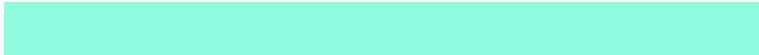
0.0000, 0.0000, 0.0000



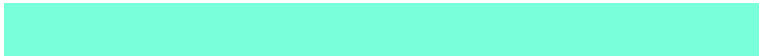
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1528, 80.6487, 81.5577



56.6071, 80.7926, 79.5141



56.5177, 68.3605, 102.3153



17.5520, 19.5231, 21.1072



22.6652, 38.0791, 29.9099



2.1437, 3.5446, 3.0044

Inverse Universe

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



57.2669, 43.0220, 44.3184



54.4692, 37.7657, 37.0226



58.6358, 49.8625, 32.1264



17.4391, 17.3030, 18.9019



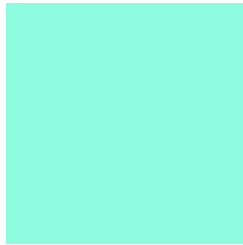
21.5198, 11.0237, 4.1798



2.0356, 1.0380, 0.6108

Previews

White Background



This preview shows how the XYZ color 59.1505, 80.6455, 81.5558 looks on a white background.

Color Contrast Check

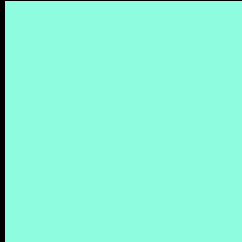
Large Text (above 18pt) WCAG AA × Fail

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 59.1505, 80.6455, 81.5558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

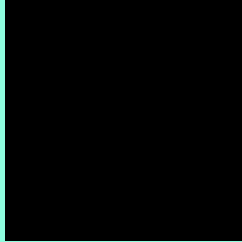
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

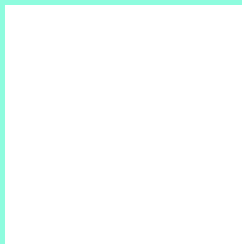
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.1505, 80.6455, 81.5558

Background



This preview shows how black text looks on a background with the XYZ color 59.1505, 80.6455, 81.5558.

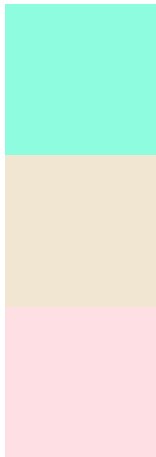


This preview shows how white text looks on a background with the XYZ color 59.1505, 80.6455,

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

59.1505, 80.6455, 81.5558

Protanopia

75.8649, 79.7720, 72.3718

Deuteranopia

81.2643, 79.4476, 84.4506



Tritanopia

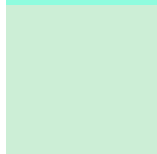
69.0337, 80.1979, 106.4490

Trichromacy



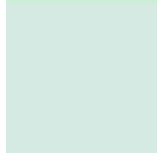
Original Color

59.1505, 80.6455, 81.5558



Protanomaly

67.6140, 78.8415, 75.2726



Deuteranomaly

70.5909, 78.4828, 83.3797



Tritanomaly

64.9785, 80.1007, 96.8303

Monochromacy



Original Color

59.1505, 80.6455, 81.5558



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.6605, 71.9194, 76.9616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1505, 80.6455, 81.5558 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(142, 252, 222)` looks like.

```
.text, #text, p{  
    color:rgb(142, 252, 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(142, 252, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 252, 222) }
```

Border

The CSS property to change the border of an element to XYZ 59.1505, 80.6455, 81.5558 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(142, 252, 222) }
```


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

```
.border{ border-color:rgb(142, 252, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 252, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 252, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 252, 222);  
box-shadow:4px 4px 4px 4px rgb(142, 252,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1505, 80.6455, 81.5558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 252, 222) }
```

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

```
.background{ background-color: rgb(142,  
252, 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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