

Converting Colors

XYZ(58.5007, 81.6324, 85.6083)

Have a look what the booklet for
XYZ(58.5007, 81.6324, 85.6083)
contains.

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Color

**XYZ(58.5272, 81.6552,
85.3494)**

Conversions

Conversions Part 1

Format	Color
Hex	80FFE3
RGB	128, 255, 227
RGB Percent	50%, 100%, 89%
CMY	0.4980, 0.0000, 0.1098
CMYK	0.50, 0.00, 0.11, 0.00
HSL	167°, 100%, 75%
HSV	167°, 50%, 100%
XYZ	58.5272, 81.6552, 85.3494
YIQ	213.8350, -66.7040, -35.6320

Conversions

Conversions Part 2

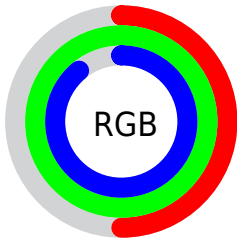
Format	Color
RYB	128, 199, 255
Decimal	8454115
CIELab	92.42, -41.96, 2.53
CIELCh	92, 42.035, 176.551
Yxy	81.6552, 0.2595, 0.3621
Android (android.graphics.Color)	4286644195 (0xFF80FFE3)
YUV	213.8350, 6.4903, -75.2773
Hunter-Lab	90.3633, -42.5234, 7.2540

Details

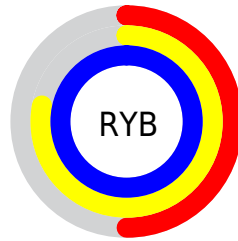
The XYZ color **58.5272, 81.6552, 85.3494** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.9607, 39.0999, 36.1039**, and the grayscale version is **63.7957, 67.1181, 73.0916**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **29.7548, 44.4567, 46.0425** is the 20% darker color. If you saturate the color by 10%, you get **54.3987, 79.6151, 81.1726**, and if you desaturate by 10%, it is **63.6466, 84.2032, 89.7077**.

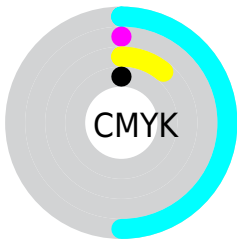
Distribution



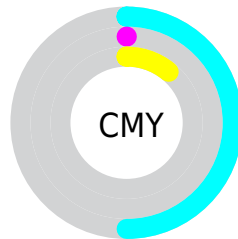
- Red (50%)
- Green (100%)
- Blue (89%)



- Red (50%)
- Yellow (78%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5272, 81.6552, 85.3494 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 58.5272, 81.6552, 85.3494 by changing the saturation by 10% instead.


 58.5272, 81.6552,
85.3494


 58.5272, 81.6552,
85.3494


409.0698,
500.4936, 532.9582


 42.4775, 61.0814,
63.5783


 101.8087,
135.6904, 142.7397

 29.6681, 44.2908,
45.8652


 129.7713,
169.9205, 179.1961

 19.7337, 30.8992,
31.7916


 162.4356,
209.4715, 221.3845

 12.3087, 20.5221,
20.9389

200.1670,
254.7278, 269.7237

 7.0280, 12.7751,
12.8885

243.3307,
306.0737, 324.6321

 3.5261, 7.2739,
7.2220

292.2922,

 1.4377, 3.6340,

363.8938, 386.5283

3.5208

347.4167,
428.5723, 455.8308

■ 0.2828, 1.4710,
1.3663

■ 0.0000, 0.2682,
0.1152

■ 58.5272, 81.6552,
85.3494

■ 58.5272, 81.6552,
85.3494

■ 54.3987, 79.6151,
81.1726

■ 63.6466, 84.2032,
89.7077

■ 51.1844, 78.0433,
77.1682

■ 69.8202, 87.2917,
94.2474

■ 48.8007, 76.8969,
73.3325

■ 77.1094, 90.9524,
98.9740

■ 47.1470, 76.1240,
69.6594

■ 85.5699, 95.2139,
103.8913

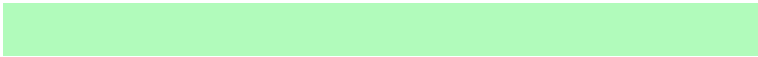
■ 46.0627, 75.6418, 95.0500, 100.0000,
66.1401 108.9000

■ 46.0434, 75.6334,
66.0719

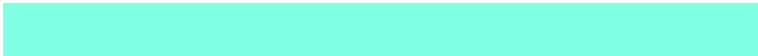
Harmonies

Analogous

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



61.4156, 81.6552, 59.7781



58.5272, 81.6552, 85.3494



60.3442, 81.6552, 118.5034

Triad

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



58.5272, 81.6552, 85.3494



87.3534, 81.6552, 154.0755



89.7357, 81.6552, 47.6671

Complementary

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



58.5272, 81.6552, 85.3494



54.9607, 39.0999, 36.1039

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.



97.8920, 81.6552, 64.7034



58.5272, 81.6552, 85.3494



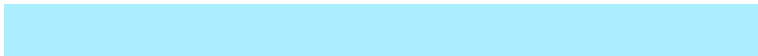
96.4288, 81.6552, 126.2339

Square

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



58.5272, 81.6552, 85.3494



76.3579, 81.6552, 163.2202



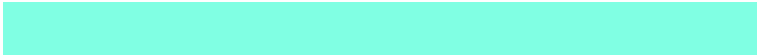
100.4481, 81.6552, 92.5655



78.8774, 81.6552, 41.4727

Rectangle

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



58.5272, 81.6552, 85.3494



64.0813, 81.6552, 139.9465



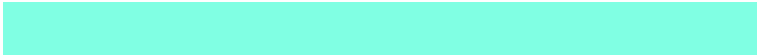
100.4481, 81.6552, 92.5655



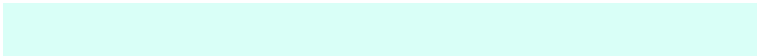
92.9221, 81.6552, 52.0874

Sweetspot

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



58.5282, 81.6557, 85.3508



81.0228, 92.9221, 101.3114



53.6858, 80.3109, 33.0956



16.9673, 19.7004, 21.4640



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

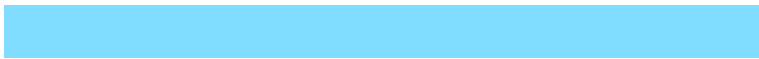
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5282, 81.6557, 85.3508



54.3265, 79.5796, 81.0917



52.8447, 63.5935, 104.0973



18.3733, 20.4089, 22.2690



24.1171, 39.5434, 34.8314



2.3885, 3.8663, 3.6037

Inverse Universe

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



54.9607, 39.0999, 36.1039



50.4162, 32.5327, 26.8147



58.0340, 48.6135, 26.7482



18.1733, 18.0526, 19.5297



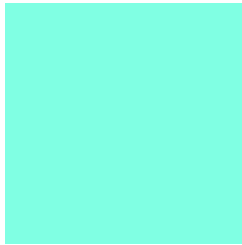
21.9696, 11.2772, 3.2247



2.1778, 1.1135, 0.5176

Previews

White Background



This preview shows how the XYZ color 58.5272, 81.6552, 85.3494 looks on a white background.

Color Contrast Check

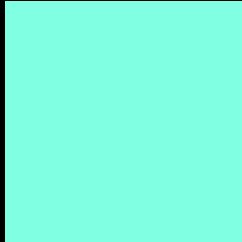
Large Text (above 18pt) WCAG AA × Fail

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 58.5272, 81.6552, 85.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

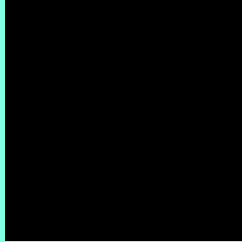
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5272, 81.6552, 85.3494

Background



This preview shows how black text looks on a background with the XYZ color 58.5272, 81.6552, 85.3494.



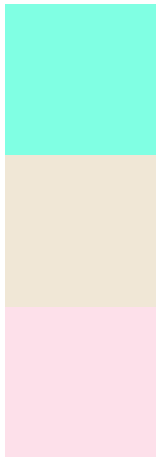
This preview shows how white text looks on a background with the XYZ color 58.5272, 81.6552,

85.3494.

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

58.5272, 81.6552, 85.3494

Protanopia

76.6487, 80.5321, 75.1228

Deuteranopia

82.0150, 80.1345, 88.9867



Tritanopia

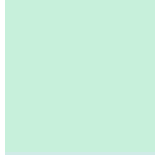
69.5693, 80.9146, 106.5591

Trichromacy



Original Color

58.5272, 81.6552, 85.3494



Protanomaly

67.4995, 79.5768, 78.8201



Deuteranomaly

70.1446, 78.5961, 87.0749



Tritanomaly

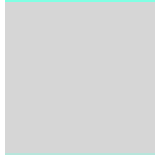
65.0520, 81.0066, 98.5934

Monochromacy



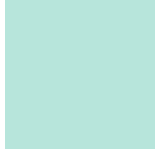
Original Color

58.5272, 81.6552, 85.3494



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.3339, 71.2204, 77.5848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5272, 81.6552, 85.3494 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(128, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 227)  
}
```

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(128, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 58.5272, 81.6552, 85.3494 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(128, 255, 227) }
```


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

```
.border{ border-color:rgb(128, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5272, 81.6552, 85.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 227) }
```

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

```
.background{ background-color: rgb(128,  
255, 227) }
```

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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