

Converting Colors

XYZ(58.7112, 81.8058, 82.8422)

Have a look what the booklet for
XYZ(58.7112, 81.8058, 82.8422)
contains.

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Color

**XYZ(58.5950, 81.7532,
82.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	84FFDF
RGB	132, 255, 223
RGB Percent	52%, 100%, 87%
CMY	0.4823, 0.0000, 0.1255
CMYK	0.48, 0.00, 0.13, 0.00
HSL	164°, 100%, 76%
HSV	164°, 48%, 100%
XYZ	58.5950, 81.7532, 82.5037
YIQ	214.5750, -63.0360, -36.0280

Conversions

Conversions Part 2

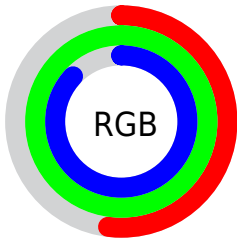
Format	Color
RYB	132, 203, 255
Decimal	8716255
CIELab	92.47, -41.98, 4.68
CIELCh	92, 42.241, 173.644
Yxy	81.7532, 0.2629, 0.3668
Android (android.graphics.Color)	4286906335 (0xFF84FFDF)
YUV	214.5750, 4.1535, -72.4183
Hunter-Lab	90.4175, -42.5537, 9.1916

Details

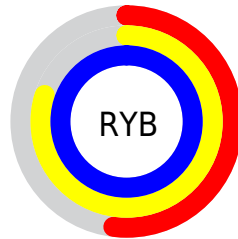
The XYZ color **58.5950, 81.7532, 82.5037** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.1929, 40.4441, 39.9678**, and the grayscale version is **64.3076, 67.6566, 73.6780**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **29.7878, 44.5174, 44.0685** is the 20% darker color. If you saturate the color by 10%, you get **54.2063, 79.5921, 77.7213**, and if you desaturate by 10%, it is **63.9950, 84.4317, 87.5192**.

Distribution



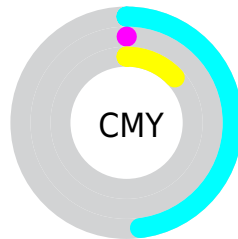
- Red (52%)
- Green (100%)
- Blue (87%)



- Red (52%)
- Yellow (80%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5950, 81.7532, 82.5037 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 58.5950, 81.7532, 82.5037 by changing the saturation by 10% instead.


 58.5950, 81.7532,
82.5037


 58.5950, 81.7532,
82.5037

409.3176,
500.8218, 523.2586


 42.5323, 61.1621,
61.2426


 101.9068,
135.8279, 138.7231

 29.7112, 44.3560,
43.9891


 129.8866,
170.0802, 174.5186

 19.7665, 30.9505,
30.3248


 162.5695,
209.6551, 215.9958

 12.3327, 20.5612,
19.8311

200.3208,
254.9370, 263.5734

 7.0445, 12.8036,
12.0895

243.5060,
306.3102, 317.6700

 3.5365, 7.2934,
6.6814

292.4902,

 1.4434, 3.6463,

364.1591, 378.7040

3.1882

347.6390,
428.8682, 447.0940

■ 0.2868, 1.4777,
1.1915

■ 0.0000, 0.2730,
0.0000

■ 58.5950, 81.7532,
82.5037

■ 58.5950, 81.7532,
82.5037

■ 54.2063, 79.5921,
77.7213

■ 63.9950, 84.4317,
87.5192

■ 50.7534, 77.9094,
73.1622

■ 70.4690, 87.6596,
92.7685

■ 48.1547, 76.6631,
68.8219

■ 78.0776, 91.4684,
98.2579

■ 46.3125, 75.8029,
64.6936

■ 86.8760, 95.8863,
103.9920

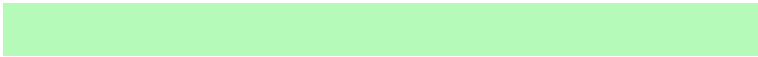
■ 45.0923, 75.2594, 95.0500, 100.0000,
60.7690 108.9000

■ 44.9085, 75.1794,
60.0952

Harmonies

Analogous

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



61.9461, 81.7532, 57.8325



58.5950, 81.7532, 82.5037



59.9631, 81.7532, 115.4647

Triad

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



58.5950, 81.7532, 82.5037



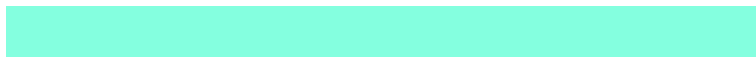
86.4608, 81.7532, 156.4927



90.8699, 81.7532, 48.7380

Complementary

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



58.5950, 81.7532, 82.5037



56.1929, 40.4441, 39.9678

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.



98.6385, 81.7532, 66.9490



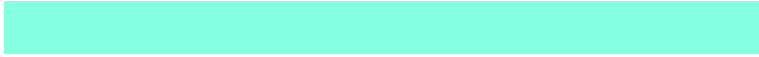
58.5950, 81.7532, 82.5037



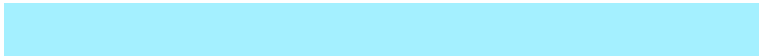
95.9303, 81.7532, 129.7737

Square

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



58.5950, 81.7532, 82.5037



75.3957, 81.7532, 163.4287



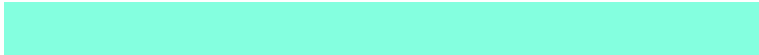
100.5722, 81.7532, 95.8609



80.0588, 81.7532, 41.5174

Rectangle

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



58.5950, 81.7532, 82.5037



63.4377, 81.7532, 137.4740



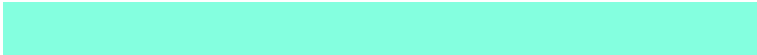
100.5722, 81.7532, 95.8609



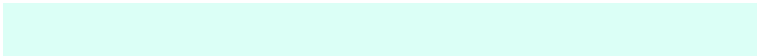
93.9632, 81.7532, 53.5369

Sweetspot

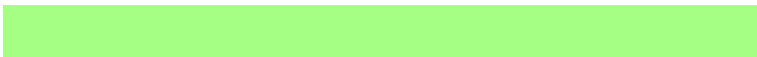
The Sweet Spot groups the original color and five complimentary colors.



58.5959, 81.7537, 82.5051



81.6542, 93.2628, 100.6554



55.4013, 81.1643, 34.5776



17.0814, 19.7634, 21.2817



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.



58.5959, 81.7537, 82.5051



54.2978, 79.6370, 77.8305



54.8446, 66.6824, 104.5881



18.3412, 20.3960, 22.0997



23.5300, 39.3086, 31.7401



2.3358, 3.8452, 3.3259

Inverse Universe

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



56.1929, 40.4441, 39.9678



51.6636, 33.8584, 30.8343



58.0982, 48.3122, 28.0944



18.2033, 18.0646, 19.6878



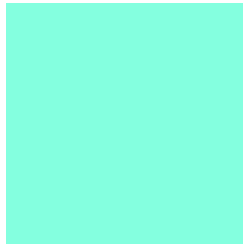
22.1192, 11.3370, 4.0124



2.1961, 1.1208, 0.6140

Previews

White Background



This preview shows how the XYZ color 58.5950, 81.7532, 82.5037 looks on a white background.

Color Contrast Check

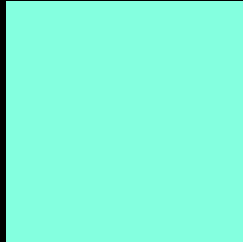
Large Text (above 18pt) WCAG AA × Fail

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 58.5950, 81.7532, 82.5037 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

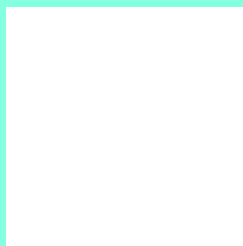
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5950, 81.7532, 82.5037

Background



This preview shows how black text looks on a background with the XYZ color 58.5950, 81.7532, 82.5037.

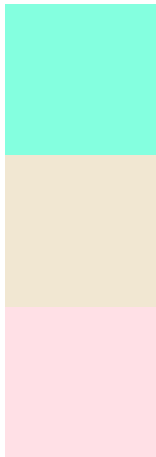


This preview shows how white text looks on a background with the XYZ color 58.5950, 81.7532,

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

58.5950, 81.7532, 82.5037

Protanopia

76.4844, 80.5057, 72.4808

Deuteranopia

82.1786, 80.2845, 86.0281



Tritanopia

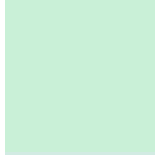
69.8097, 81.0385, 106.5704

Trichromacy



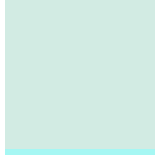
Original Color

58.5950, 81.7532, 82.5037



Protanomaly

67.5132, 79.6440, 76.1045



Deuteranomaly

70.1518, 78.6644, 84.1594



Tritanomaly

65.1643, 81.0996, 97.0133

Monochromacy



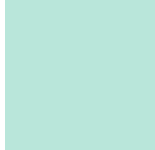
Original Color

58.5950, 81.7532, 82.5037



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9593, 71.9699, 77.0083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5950, 81.7532, 82.5037 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(132, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 223)  
}
```

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(132, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 58.5950, 81.7532, 82.5037 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(132, 255, 223) }
```


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

```
.border{ border-color:rgb(132, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5950, 81.7532, 82.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 223) }
```

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

```
.background{ background-color: rgb(132,  
255, 223) }
```

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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