

Converting Colors

XYZ(75.9896, 116.4699,
84.4715)

Have a look what the booklet for
XYZ(75.9896, 116.4699, 84.4715)
contains.

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Color

**XYZ(58.7314, 81.9003,
79.0425)**

Conversions

Conversions Part 1

Format	Color
Hex	89FFDA
RGB	137, 255, 218
RGB Percent	54%, 100%, 85%
CMY	0.4627, 0.0000, 0.1451
CMYK	0.46, 0.00, 0.15, 0.00
HSL	161°, 100%, 77%
HSV	161°, 46%, 100%
XYZ	58.7314, 81.9003, 79.0425
YIQ	215.5000, -58.4510, -36.5230

Conversions

Conversions Part 2

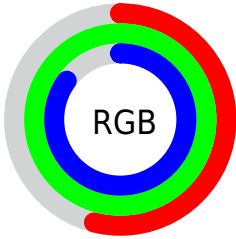
Format	Color
RYB	137, 207, 255
Decimal	9043930
CIELab	92.53, -41.93, 7.37
CIElCh	93, 42.575, 170.026
Yxy	81.9003, 0.2674, 0.3728
Android (android.graphics.Color)	4287234010 (0xFF89FFDA)
YUV	215.5000, 1.2325, -68.8445
Hunter-Lab	90.4988, -42.5309, 11.5647

Details

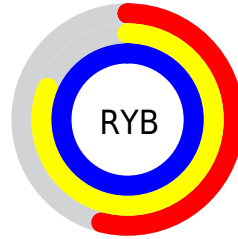
The XYZ color **58.7314, 81.9003, 79.0425** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.8263, 42.2084, 45.1445**, and the grayscale version is **64.9507, 68.3332, 74.4148**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **29.8655, 44.6103, 41.6869** is the 20% darker color. If you saturate the color by 10%, you get **54.0127, 79.5857, 73.4917**, and if you desaturate by 10%, it is **64.4899, 84.7451, 84.9082**.

Distribution



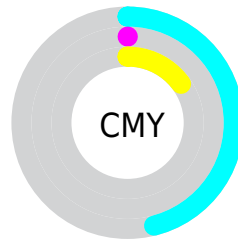
- Red (54%)
- Green (100%)
- Blue (85%)



- Red (54%)
- Yellow (81%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7314, 81.9003, 79.0425 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 58.7314, 81.9003, 79.0425 by changing the saturation by 10% instead.


 58.7314, 81.9003,
79.0425


 58.7314, 81.9003,
79.0425


409.8159,
501.3141, 511.3215

 42.6425, 61.2834,
58.4092


 102.1040,
136.0342, 133.8179

 29.7980, 44.4539,
41.7209


 130.1185,
170.3199, 168.7971

 19.8326, 31.0275,
28.5588


162.8388,
209.9307, 209.3954

 12.3810, 20.6198,
18.5046

200.6303,
255.2509, 256.0312

 7.0777, 12.8464,
11.1397

243.8584,
306.6650, 309.1233

 3.5575, 7.3228,
6.0455

292.8885,

 1.4550, 3.6648,

364.5573, 369.0899

2.8036

348.0859,
429.3122, 436.3499

■ 0.2949, 1.4879,
0.9952

■ 0.0000, 0.2802,
0.0000

■ 58.7314, 81.9003,
79.0425

■ 58.7314, 81.9003,
79.0425

■ 54.0127, 79.5857,
73.4917

■ 64.4899, 84.7451,
84.9082

■ 50.2600, 77.7634,
68.2447

■ 71.3502, 88.1519,
91.0912

■ 47.3934, 76.3921,
63.2952

■ 79.3722, 92.1517,
97.5992

■ 45.3183, 75.4234,
58.6350

■ 88.6107, 96.7725,
104.4382

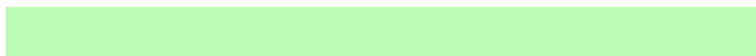
■ 43.9173, 74.7966, 95.0500, 100.0000,
54.2547 108.9000

■ 43.5022, 74.6169,
52.6899

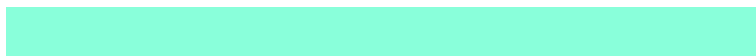
Harmonies

Analogous

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



62.6658, 81.9003, 55.5079



58.7314, 81.9003, 79.0425



59.5338, 81.9003, 111.6859

Triad

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



58.7314, 81.9003, 79.0425



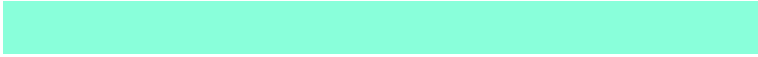
85.3512, 81.9003, 159.4613



92.3121, 81.9003, 50.1899

Complementary

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



58.7314, 81.9003, 79.0425



57.8263, 42.2084, 45.1445

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.



99.5688, 81.9003, 69.9132



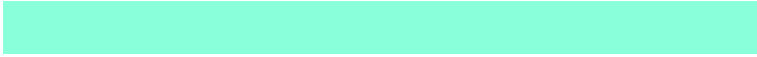
58.7314, 81.9003, 79.0425



95.2937, 81.9003, 134.2754

Square

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



58.7314, 81.9003, 79.0425



74.2202, 81.9003, 163.5624



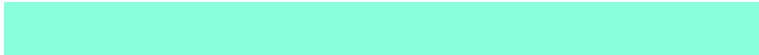
100.7088, 81.9003, 100.1395



81.5834, 81.9003, 41.6565

Rectangle

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



58.7314, 81.9003, 79.0425



62.6764, 81.9003, 134.3303



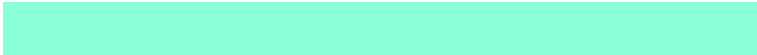
100.7088, 81.9003, 100.1395



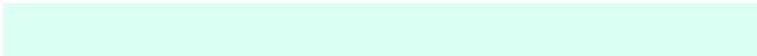
95.2797, 81.9003, 55.4774

Sweetspot

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



58.7323, 81.9007, 79.0439



81.3635, 93.1465, 99.1245



57.8135, 82.3674, 36.5197



17.0102, 19.7349, 20.9067



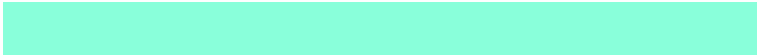
0.0000, 0.0000, 0.0000



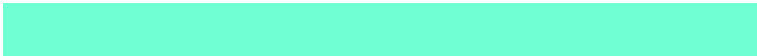
20.3446, 21.4041, 23.3091

Same Dimension

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



58.7323, 81.9007, 79.0439



54.1285, 79.6422, 73.6393



57.6101, 71.0247, 105.2805



18.2982, 20.3788, 21.8732



22.8013, 39.0171, 27.9028



2.2695, 3.8187, 2.9769

Inverse Universe

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



57.8263, 42.2084, 45.1445



53.1400, 35.3260, 35.9050



58.0913, 47.7376, 29.8208



18.2440, 18.0809, 19.9019



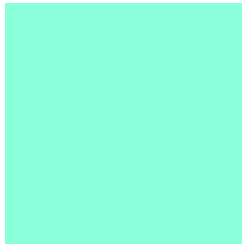
22.3635, 11.4347, 5.2988



2.2243, 1.1321, 0.7626

Previews

White Background



This preview shows how the XYZ color 58.7314, 81.9003, 79.0425 looks on a white background.

Color Contrast Check

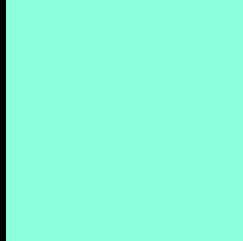
Large Text (above 18pt) WCAG AA × Fail

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 58.7314, 81.9003, 79.0425 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

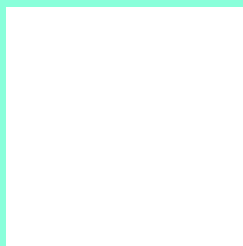
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.7314, 81.9003, 79.0425

Background



This preview shows how black text looks on a background with the XYZ color 58.7314, 81.9003, 79.0425.

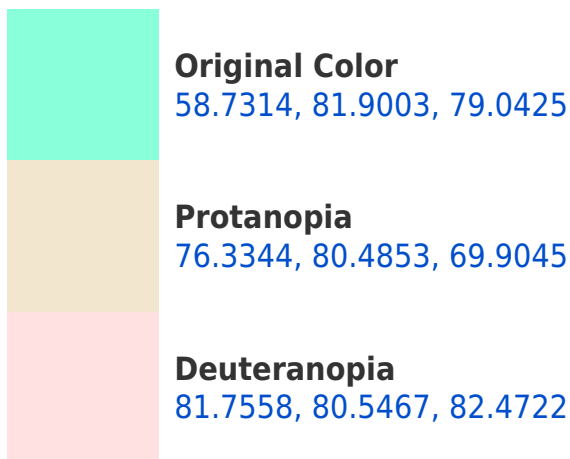


This preview shows how white text looks on a background with the XYZ color 58.7314, 81.9003,

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





Tritanopia

70.2956, 81.2891, 106.5931

Trichromacy



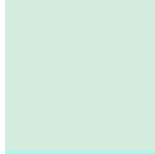
Original Color

58.7314, 81.9003, 79.0425



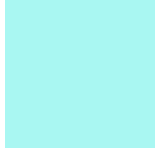
Protanomaly

67.6948, 79.8107, 72.8099



Deuteranomaly

70.3316, 79.2619, 80.6994



Tritanomaly

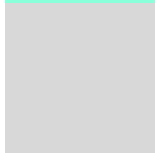
65.6500, 81.3673, 96.2498

Monochromacy



Original Color

58.7314, 81.9003, 79.0425



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.3147, 72.1682, 76.3439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7314, 81.9003, 79.0425 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(137, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 218)  
}
```

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(137, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 58.7314, 81.9003, 79.0425 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(137, 255, 218) }
```


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

```
.border{ border-color:rgb(137, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(137, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7314, 81.9003, 79.0425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 218) }
```

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

```
.background{ background-color: rgb(137,  
255, 218) }
```

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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