

Converting Colors

XYZ(79.4004, 125.7600,
88.6274)

Have a look what the booklet for
XYZ(79.4004, 125.7600, 88.6274)
contains.

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Color

**XYZ(56.9795, 80.9514,
81.0287)**

Conversions

Conversions Part 1

Format	Color
Hex	7BFFDD
RGB	123, 255, 221
RGB Percent	48%, 100%, 87%
CMY	0.5176, 0.0000, 0.1333
CMYK	0.52, 0.00, 0.13, 0.00
HSL	165°, 100%, 74%
HSV	165°, 52%, 100%
XYZ	56.9795, 80.9514, 81.0287
YIQ	211.6560, -67.7580, -38.5580

Conversions

Conversions Part 2

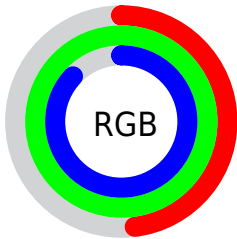
Format	Color
RYB	123, 199, 255
Decimal	8126429
CIELab	92.11, -44.40, 5.16
CIELCh	92, 44.694, 173.376
Yxy	80.9514, 0.2602, 0.3697
Android (android.graphics.Color)	4286316509 (0xFF7BFFDD)
YUV	211.6560, 4.6066, -77.7513
Hunter-Lab	89.9730, -44.4095, 9.5852

Details

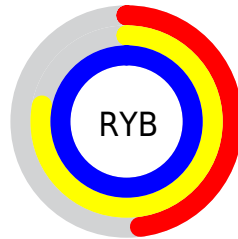
The XYZ color **56.9795, 80.9514, 81.0287** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.4095, 37.8613, 36.3395**, and the grayscale version is **62.3538, 65.6011, 71.4396**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **28.7644, 44.0112, 43.0554** is the 20% darker color. If you saturate the color by 10%, you get **52.9368, 78.9664, 76.3613**, and if you desaturate by 10%, it is **62.0081, 83.4406, 85.9237**.

Distribution



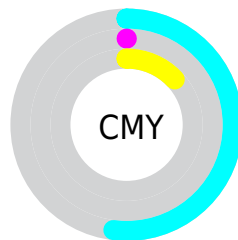
- Red (48%)
- Green (100%)
- Blue (87%)



- Red (48%)
- Yellow (78%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9795, 80.9514, 81.0287 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 56.9795, 80.9514, 81.0287 by changing the saturation by 10% instead.


 56.9795, 80.9514,
81.0287


 56.9795, 80.9514,
81.0287


403.3879,
498.1334, 518.1908


 41.2289, 60.5016,
60.0341

 99.5668, 134.7025,
136.6355

 28.6864, 43.8230,
43.0206


 127.1342,
168.7726, 172.0848

 18.9868, 30.5314,
29.5698


 159.3712,
208.1516, 213.1894

 11.7647, 20.2423,
19.2630

196.6431,
253.2238, 260.3678

 6.6547, 12.5713,
11.6817

239.3155,
304.3737, 314.0386

 3.2915, 7.1340,
6.4075

287.7534,

 1.3097, 3.5461,

361.9857, 374.6204

3.0216

342.3225,
426.4441, 442.5316

■ 0.1905, 1.4230,
1.1057

■ 0.0000, 0.2336,
0.0000

■ 56.9795, 80.9514,
81.0287

■ 56.9795, 80.9514,
81.0287

■ 52.9368, 78.9664,
76.3613

■ 62.0081, 83.4406,
85.9237

■ 49.8015, 77.4454,
71.9118

■ 68.0876, 86.4676,
91.0472

■ 47.4873, 76.3437,
67.6753

■ 75.2805, 90.0645,
96.4055

■ 45.8892, 75.6074,
63.6450

■ 83.6435, 94.2605,
102.0032

■ 44.9801, 75.2080,
60.4724

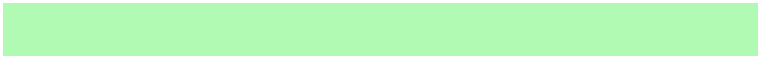
■ 93.2293, 99.0829,
107.8445

■ 95.0500, 100.0000,
108.9000

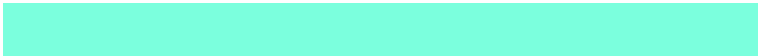
Harmonies

Analogous

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



60.5067, 80.9514, 55.4705



56.9795, 80.9514, 81.0287



58.3568, 80.9514, 115.7674

Triad

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



56.9795, 80.9514, 81.0287



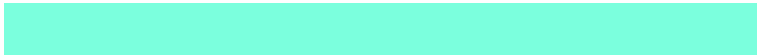
86.0641, 80.9514, 160.0913



90.9191, 80.9514, 46.4209

Complementary

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



56.9795, 80.9514, 81.0287



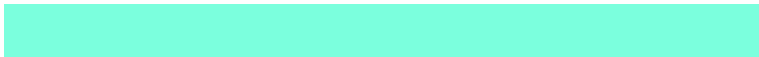
54.4095, 37.8613, 36.3395

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.



99.1051, 80.9514, 65.3036



56.9795, 80.9514, 81.0287



96.1124, 80.9514, 131.6351

Square

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



56.9795, 80.9514, 81.0287



74.4162, 80.9514, 167.3141



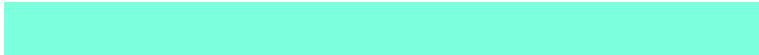
101.0944, 80.9514, 95.6605



79.5241, 80.9514, 38.9715

Rectangle

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



56.9795, 80.9514, 81.0287



61.9458, 80.9514, 139.2510



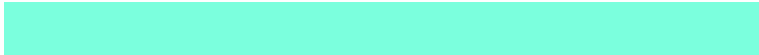
101.0944, 80.9514, 95.6605



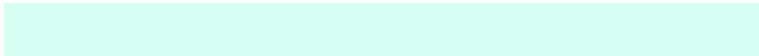
94.1817, 80.9514, 51.3750

Sweetspot

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



56.9804, 80.9518, 81.0301



79.9538, 92.4078, 99.6020



53.4759, 80.2399, 31.4096



16.7464, 19.5950, 21.0726



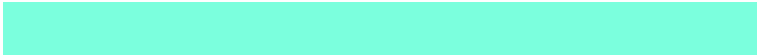
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.9804, 80.9518, 81.0301



52.8523, 78.9252, 76.2534



52.9287, 64.8507, 104.3355



18.3433, 20.3968, 22.1107



23.5671, 39.3234, 31.9353



2.3391, 3.8466, 3.3435

Inverse Universe

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



54.4095, 37.8613, 36.3395



50.0655, 31.6150, 27.3649



56.3385, 45.7364, 24.5989



18.2014, 18.0639, 19.6775



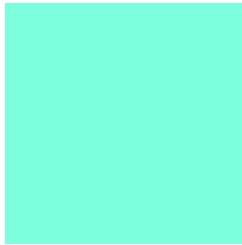
22.1087, 11.3328, 3.9568



2.1948, 1.1203, 0.6074

Previews

White Background



This preview shows how the XYZ color 56.9795, 80.9514, 81.0287 looks on a white background.

Color Contrast Check

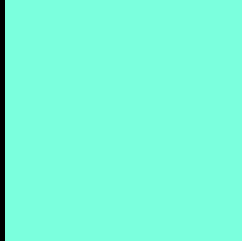
Large Text (above 18pt) WCAG AA × Fail

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 56.9795, 80.9514, 81.0287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

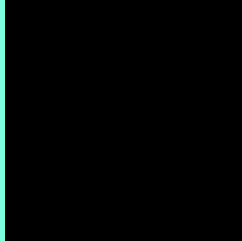
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

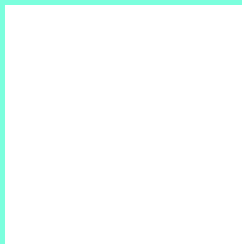
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.9795, 80.9514, 81.0287

Background



This preview shows how black text looks on a background with the XYZ color 56.9795, 80.9514, 81.0287.

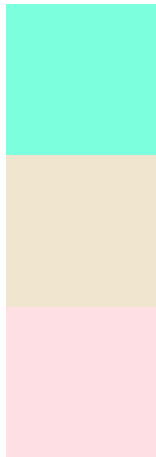


This preview shows how white text looks on a background with the XYZ color 56.9795, 80.9514,

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

56.9795, 80.9514, 81.0287

Protanopia

75.6172, 79.6730, 71.0675

Deuteranopia

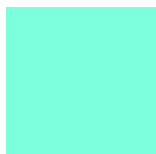
81.2643, 79.4476, 84.4506



Tritanopia

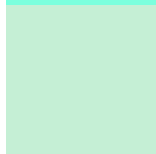
68.6245, 80.4276, 106.5149

Trichromacy



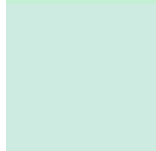
Original Color

56.9795, 80.9514, 81.0287



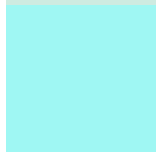
Protanomaly

65.9027, 78.4074, 74.6115



Deuteranomaly

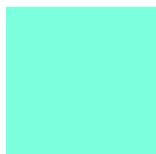
68.7525, 77.9747, 82.6611



Tritanomaly

63.7365, 80.3635, 96.9465

Monochromacy



Original Color

56.9795, 80.9514, 81.0287



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.8315, 70.0964, 74.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9795, 80.9514, 81.0287 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(123, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 221)  
}
```

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(123, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 56.9795, 80.9514, 81.0287 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(123, 255, 221) }
```


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

```
.border{ border-color:rgb(123, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9795, 80.9514, 81.0287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 221) }
```

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

```
.background{ background-color: rgb(123,  
255, 221) }
```

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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