

Converting Colors

XYZ(79.7853, 126.0268,
84.8369)

Have a look what the booklet for
XYZ(79.7853, 126.0268, 84.8369)
contains.

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Color

**XYZ(57.5147, 81.3032,
77.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFD8
RGB	131, 255, 216
RGB Percent	51%, 100%, 85%
CMY	0.4863, 0.0000, 0.1529
CMYK	0.49, 0.00, 0.15, 0.00
HSL	161°, 100%, 76%
HSV	161°, 49%, 100%
XYZ	57.5147, 81.3032, 77.6275
YIQ	213.4780, -61.3850, -38.4170

Conversions

Conversions Part 2

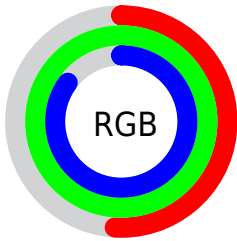
Format	Color
RYB	131, 205, 255
Decimal	8650712
CIELab	92.27, -43.75, 8.00
CIElCh	92, 44.478, 169.641
Yxy	81.3032, 0.2657, 0.3756
Android (android.graphics.Color)	4286840792 (0xFF83FFD8)
YUV	213.4780, 1.2433, -72.3332
Hunter-Lab	90.1683, -43.9366, 12.0740

Details

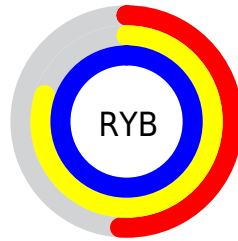
The XYZ color **57.5147, 81.3032, 77.6275** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.6125, 40.3958, 42.8441**, and the grayscale version is **63.5874, 66.8989, 72.8529**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **29.0813, 44.2266, 40.7221** is the 20% darker color. If you saturate the color by 10%, you get **53.0279, 79.1070, 72.1373**, and if you desaturate by 10%, it is **63.0254, 84.0212, 83.4326**.

Distribution



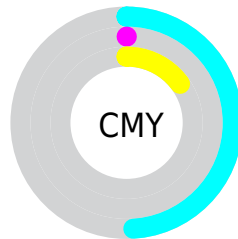
- Red (51%)
- Green (100%)
- Blue (85%)



- Red (51%)
- Yellow (80%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5147, 81.3032, 77.6275 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 57.5147, 81.3032, 77.6275 by changing the saturation by 10% instead.


 57.5147, 81.3032,
77.6275

 57.5147, 81.3032,
77.6275


405.3582,
499.3139, 506.3952


 41.6604, 60.7913,
57.2534


 100.3428,
135.1964, 131.8060

 29.0254, 44.0568,
40.7980


 128.0474,
169.3466, 166.4474

 19.2444, 30.7152,
27.8428


 160.4327,
208.8116, 206.6817

 11.9521, 20.3820,
17.9692

197.8641,
253.9759, 252.9275

 6.7830, 12.6731,
10.7586

240.7070,
305.2239, 305.6031

 3.3719, 7.2038,
5.7927

289.3268,

 1.3533, 3.5899,

362.9400, 365.1273

2.6527

344.0887,
427.5085, 431.9185

■ 0.2226, 1.4469,
0.9195

■ 0.0000, 0.2509,
0.0000

■ 57.5147, 81.3032,
77.6275

■ 57.5147, 81.3032,
77.6275

■ 53.0279, 79.1070,
72.1373

■ 63.0254, 84.0212,
83.4326

■ 49.4894, 77.3940,
66.9505

■ 69.6236, 87.2941,
89.5550

■ 46.8165, 76.1215,
62.0610

■ 77.3703, 91.1529,
96.0027

■ 44.9104, 75.2387,
57.4602

■ 86.3213, 95.6266,
102.7817

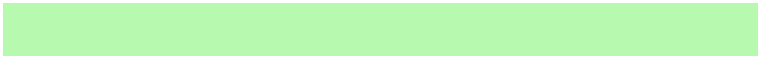
■ 43.6307, 74.6733, 95.0500, 100.0000,
53.1374 108.9000

■ 43.4783, 74.6073,
52.5639

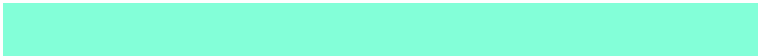
Harmonies

Analogous

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



61.6323, 81.3032, 53.5444



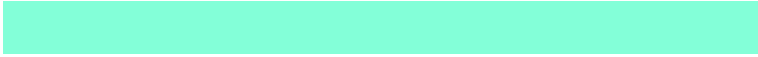
57.5147, 81.3032, 77.6275



58.2782, 81.3032, 111.5453

Triad

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



57.5147, 81.3032, 77.6275



84.9439, 81.3032, 162.4996



92.4862, 81.3032, 48.5303

Complementary

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



57.5147, 81.3032, 77.6275



56.6125, 40.3958, 42.8441

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.



100.0104, 81.3032, 68.9127



57.5147, 81.3032, 77.6275



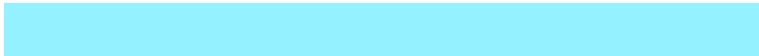
95.3659, 81.3032, 136.1524

Square

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



57.5147, 81.3032, 77.6275



73.3709, 81.3032, 166.5059



101.1136, 81.3032, 100.3982



81.3177, 81.3032, 39.7267

Rectangle

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



57.5147, 81.3032, 77.6275



61.4795, 81.3032, 135.3456



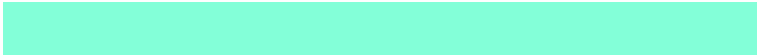
101.1136, 81.3032, 100.3982



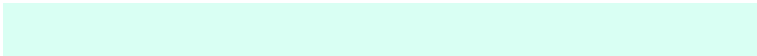
95.5706, 81.3032, 53.9796

Sweetspot

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



57.5155, 81.3035, 77.6289



80.4742, 92.7027, 98.4223



56.4927, 81.7348, 34.2728



16.8344, 19.6472, 20.7642



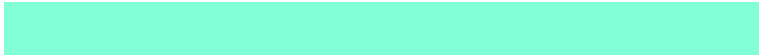
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



57.5155, 81.3035, 77.6289



53.2803, 79.2299, 72.4721



56.3425, 69.9094, 105.1320



18.2974, 20.3785, 21.8692



22.7889, 39.0122, 27.8374



2.2683, 3.8183, 2.9709

Inverse Universe

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



56.6125, 40.3958, 42.8441



52.3089, 34.1166, 34.2325



56.8490, 45.9229, 27.3416



18.2447, 18.0812, 19.9057



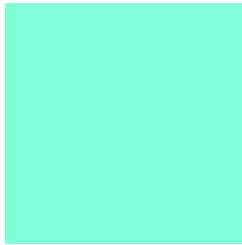
22.3684, 11.4366, 5.3243



2.2248, 1.1323, 0.7654

Previews

White Background



This preview shows how the XYZ color 57.5147, 81.3032, 77.6275 looks on a white background.

Color Contrast Check

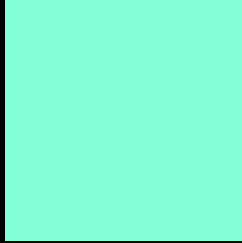
Large Text (above 18pt) WCAG AA × Fail

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 57.5147, 81.3032, 77.6275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

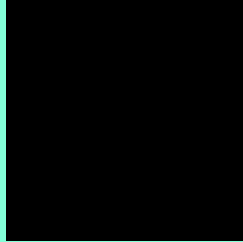
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.5147, 81.3032, 77.6275

Background



This preview shows how black text looks on a background with the XYZ color 57.5147, 81.3032, 77.6275.



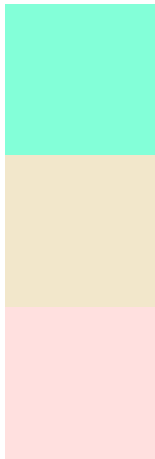
This preview shows how white text looks on a background with the XYZ color 57.5147, 81.3032,

77.6275.

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

57.5147, 81.3032, 77.6275

Protanopia

75.9734, 80.3409, 68.0030

Deuteranopia

81.2149, 79.8990, 80.9536



Tritanopia

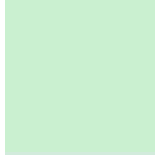
69.3306, 80.7915, 106.5480

Trichromacy



Original Color

57.5147, 81.3032, 77.6275



Protanomaly

66.9024, 79.4308, 71.4801



Deuteranomaly

69.2049, 78.2856, 79.1733



Tritanomaly

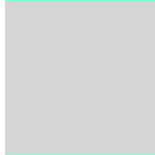
64.4478, 80.7649, 95.4115

Monochromacy



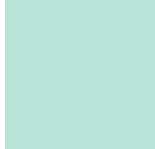
Original Color

57.5147, 81.3032, 77.6275



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.4094, 70.4091, 74.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5147, 81.3032, 77.6275 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(131, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 216)  
}
```

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(131, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 57.5147, 81.3032, 77.6275 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(131, 255, 216) }
```


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

```
.border{ border-color:rgb(131, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 255, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 255, 216); box-shadow:4px 4px 4px 4px rgb(131, 255, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5147, 81.3032, 77.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 216) }
```

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

```
.background{ background-color: rgb(131,  
255, 216) }
```

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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