

Converting Colors

XYZ(56.5775, 80.7528, 80.6223)

Have a look what the booklet for
XYZ(56.5775, 80.7528, 80.6223)
contains.

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Color

**XYZ(56.5634, 80.7523,
80.3157)**

Conversions

Conversions Part 1

Format	Color
Hex	79FFDC
RGB	121, 255, 220
RGB Percent	47%, 100%, 86%
CMY	0.5255, 0.0000, 0.1372
CMYK	0.53, 0.00, 0.14, 0.00
HSL	164°, 100%, 74%
HSV	164°, 53%, 100%
XYZ	56.5634, 80.7523, 80.3157
YIQ	210.9440, -68.6290, -39.2930

Conversions

Conversions Part 2

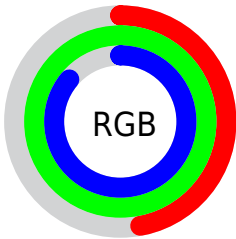
Format	Color
RYB	121, 198, 255
Decimal	7995356
CIELab	92.02, -45.04, 5.54
CIELCh	92, 45.381, 172.993
Yxy	80.7523, 0.2599, 0.3711
Android (android.graphics.Color)	4286185436 (0xFF79FFDC)
YUV	210.9440, 4.4646, -78.8809
Hunter-Lab	89.8623, -44.9030, 9.9123

Details

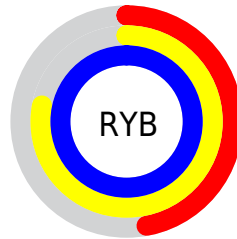
The XYZ color **56.5634, 80.7523, 80.3157** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.0788, 37.3361, 35.8097**, and the grayscale version is **61.8840, 65.1068, 70.9013**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **28.5069, 43.8890, 42.5663** is the 20% darker color. If you saturate the color by 10%, you get **52.5855, 78.8014, 75.6171**, and if you desaturate by 10%, it is **61.5224, 83.2047, 85.2464**.

Distribution



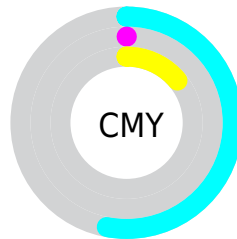
- Red (47%)
- Green (100%)
- Blue (86%)



- Red (47%)
- Yellow (78%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5634, 80.7523, 80.3157 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 56.5634, 80.7523, 80.3157 by changing the saturation by 10% instead.


 56.5634, 80.7523,
80.3157


 56.5634, 80.7523,
80.3157


401.8520,
497.4645, 515.7309


 40.8936, 60.3376,
59.4505


 98.9629, 134.4229,
135.6249

 28.4232, 43.6908,
42.5535


 126.4233,
168.4476, 170.9060

 18.7870, 30.4275,
29.2061


 158.5446,
207.7778, 211.8294

 11.6196, 20.1633,
18.9899

195.6921,
252.7979, 258.8137

 6.5556, 12.5138,
11.4862

238.2313,
303.8922, 312.2775

 3.2296, 7.0946,
6.2766

286.5274,

 1.2763, 3.5213,

361.4451, 372.6393

2.9425

340.9458,
425.8411, 440.3176

■ 0.1654, 1.4096,
1.0654

■ 0.0000, 0.2238,
0.0000

■ 56.5634, 80.7523,
80.3157

■ 56.5634, 80.7523,
80.3157

■ 52.5855, 78.8014,
75.6171

■ 61.5224, 83.2047,
85.2464

■ 49.5096, 77.3117,
71.1407

■ 67.5282, 86.1927,
90.4103

■ 47.2483, 76.2378,
66.8817

■ 74.6438, 89.7487,
95.8138

■ 45.6946, 75.5249,
62.8328

■ 82.9261, 93.9020,
101.4614

■ 44.8800, 75.1680,
59.9453

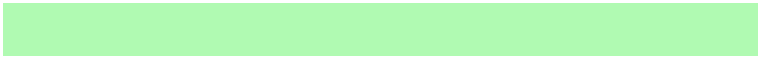
■ 92.4283, 98.6799,
107.3577

95.0500, 100.0000,
108.9000

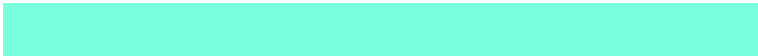
Harmonies

Analogous

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



60.1899, 80.7523, 54.6356



56.5634, 80.7523, 80.3157



57.8916, 80.7523, 115.4971

Triad

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



56.5634, 80.7523, 80.3157



85.8570, 80.7523, 161.3554



91.0688, 80.7523, 45.9390

Complementary

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



56.5634, 80.7523, 80.3157



54.0788, 37.3361, 35.8097

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.



99.3208, 80.7523, 65.1331



56.5634, 80.7523, 80.3157



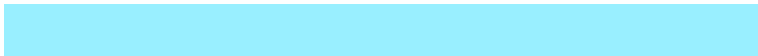
96.1052, 80.7523, 132.5632

Square

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



56.5634, 80.7523, 80.3157



74.0474, 80.7523, 168.3896



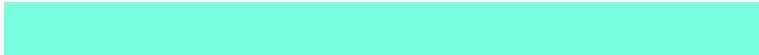
101.2514, 80.7523, 96.0015



79.5230, 80.7523, 38.3170

Rectangle

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



56.5634, 80.7523, 80.3157



61.4801, 80.7523, 139.4393



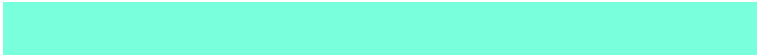
101.2514, 80.7523, 96.0015



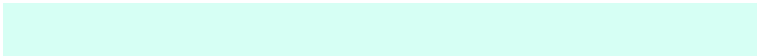
94.3657, 80.7523, 50.9764

Sweetspot

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



56.5642, 80.7526, 80.3171



79.9313, 92.3988, 99.4836



53.0646, 80.0422, 30.7433



16.7410, 19.5928, 21.0442



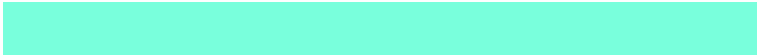
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.5642, 80.7526, 80.3171



52.4274, 78.7244, 75.4097



52.5200, 64.4538, 104.2805



18.3404, 20.3957, 22.0953



23.5153, 39.3027, 31.6625



2.3344, 3.8447, 3.3189

Inverse Universe

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



54.0788, 37.3361, 35.8097



49.7399, 31.1142, 26.7922



55.9635, 45.1847, 23.8623



18.2041, 18.0650, 19.6919



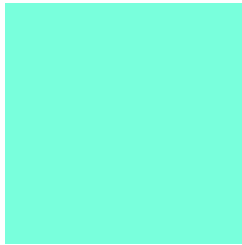
22.1235, 11.3387, 4.0347



2.1966, 1.1210, 0.6167

Previews

White Background



This preview shows how the XYZ color 56.5634, 80.7523, 80.3157 looks on a white background.

Color Contrast Check

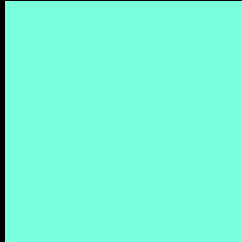
Large Text (above 18pt) WCAG AA × Fail

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 56.5634, 80.7523, 80.3157 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

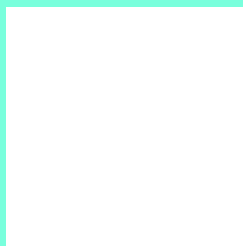
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5634, 80.7523, 80.3157

Background



This preview shows how black text looks on a background with the XYZ color 56.5634, 80.7523, 80.3157.

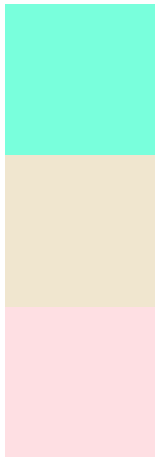


This preview shows how white text looks on a background with the XYZ color 56.5634, 80.7523,

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

56.5634, 80.7523, 80.3157

Protanopia

75.4945, 79.6239, 70.4214

Deuteranopia

81.1259, 79.3922, 83.7215



Tritanopia

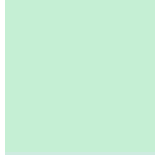
68.1622, 80.1892, 106.4933

Trichromacy



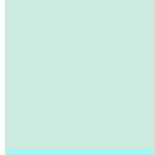
Original Color

56.5634, 80.7523, 80.3157



Protanomaly

65.7761, 78.3568, 73.9450



Deuteranomaly

68.6165, 77.9203, 81.9447



Tritanomaly

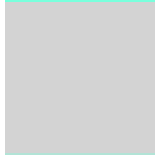
63.1924, 80.1004, 96.1347

Monochromacy



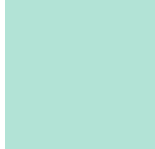
Original Color

56.5634, 80.7523, 80.3157



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

57.9668, 69.2582, 73.9313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5634, 80.7523, 80.3157 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(121, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 220)  
}
```

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(121, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 56.5634, 80.7523, 80.3157 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(121, 255, 220) }
```


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

```
.border{ border-color:rgb(121, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 255, 220); box-shadow:4px 4px 4px 4px rgb(121, 255, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5634, 80.7523, 80.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 220) }
```

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

```
.background{ background-color: rgb(121,  
255, 220) }
```

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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