

Converting Colors

XYZ(56.5455, 80.2798, 80.3232)

Have a look what the booklet for
XYZ(56.5455, 80.2798, 80.3232)
contains.

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Color

**XYZ(56.5285, 80.2619,
80.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	7BFEDC
RGB	123, 254, 220
RGB Percent	48%, 100%, 86%
CMY	0.5176, 0.0039, 0.1372
CMYK	0.52, 0.00, 0.13, 0.00
HSL	164°, 99%, 74%
HSV	164°, 52%, 100%
XYZ	56.5285, 80.2619, 80.2229
YIQ	210.9550, -67.1620, -38.3460

Conversions

Conversions Part 2

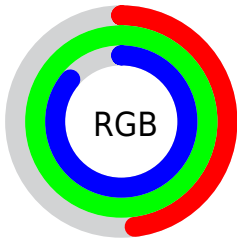
Format	Color
RYB	123, 198, 254
Decimal	8126172
CIELab	91.80, -44.18, 5.23
CIELCh	92, 44.492, 173.252
Yxy	80.2619, 0.2605, 0.3698
Android (android.graphics.Color)	4286316252 (0xFF7BFEDC)
YUV	210.9550, 4.4592, -77.1365
Hunter-Lab	89.5890, -44.1516, 9.6208

Details

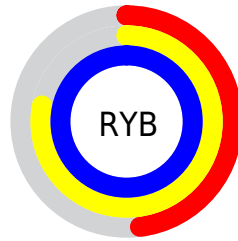
The XYZ color **56.5285, 80.2619, 80.2229** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.0446, 37.6733, 36.3246**, and the grayscale version is **61.8924, 65.1157, 70.9110**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **28.5027, 43.5487, 42.5008** is the 20% darker color. If you saturate the color by 10%, you get **52.4998, 78.2860, 75.5670**, and if you desaturate by 10%, it is **61.5386, 82.7438, 85.1080**.

Distribution



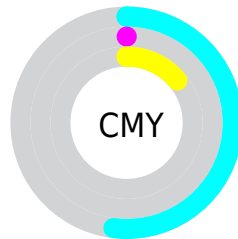
- Red (48%)
- Green (100%)
- Blue (86%)



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



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




- Cyan (52%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5285, 80.2619, 80.2229 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 56.5285, 80.2619, 80.2229 by changing the saturation by 10% instead.


 56.5285, 80.2619,
80.2229


 56.5285, 80.2619,
80.2229


401.7230,
495.8150, 515.4103


 40.8655, 59.9339,
59.3745


 98.9122, 133.7339,
135.4933

 28.4012, 43.3654,
42.4927


 126.3636,
167.6467, 170.7524

 18.7703, 30.1719,
29.1588


 158.4752,
206.8565, 211.6522

 11.6074, 19.9691,
18.9544

195.6123,
251.7477, 258.6113

 6.5473, 12.3726,
11.4609

238.1402,
302.7048, 312.0480

 3.2244, 6.9980,
6.2597

286.4244,

 1.2735, 3.4608,

360.1121, 372.3811

2.9323

340.8302,
424.3541, 440.0290

■ 0.1633, 1.3768,
1.0602

■ 0.0000, 0.1995,
0.0000

■ 56.5285, 80.2619,
80.2229

■ 56.5285, 80.2619,
80.2229

■ 52.4998, 78.2860,
75.5670

■ 61.5386, 82.7438,
85.1080

■ 49.3709, 76.7679,
71.1293


■ 67.5903, 85.7567,
90.2219

■ 47.0579, 75.6666,
66.9053

■ 74.7467, 89.3349,
95.5713

■ 45.4572, 74.9287,
62.8883

■ 83.0639, 93.5075,
101.1607

 44.5284, 74.5204,
59.6563

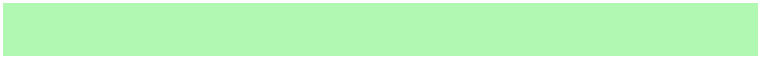
 92.5943, 98.3013,
106.9945

94.7332, 99.3664,
108.7944

Harmonies

Analogous

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



60.0405, 80.2619, 54.9643



56.5285, 80.2619, 80.2229



57.8722, 80.2619, 114.5824

Triad

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



56.5285, 80.2619, 80.2229



85.2686, 80.2619, 158.6641



90.1627, 80.2619, 46.1333

Complementary

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



56.5285, 80.2619, 80.2229



54.0446, 37.6733, 36.3246

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.



98.2433, 80.2619, 64.8834



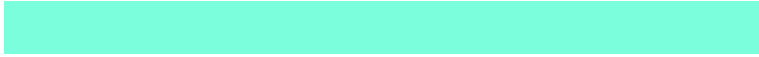
56.5285, 80.2619, 80.2229



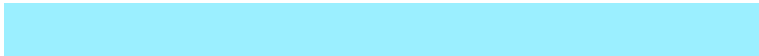
95.2269, 80.2619, 130.5740

Square

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



56.5285, 80.2619, 80.2229



73.7406, 80.2619, 165.7050



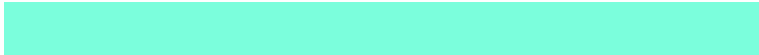
100.1831, 80.2619, 94.9751



78.8904, 80.2619, 38.7093

Rectangle

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



56.5285, 80.2619, 80.2229



61.4131, 80.2619, 137.8336



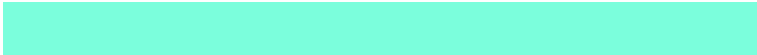
100.1831, 80.2619, 94.9751



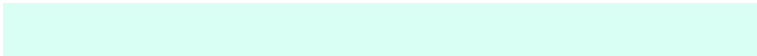
93.3861, 80.2619, 51.0565

Sweetspot

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



56.5308, 80.2651, 80.2248



80.7934, 92.8304, 100.1035



53.1070, 79.5794, 31.3017



16.9117, 19.6781, 21.1712



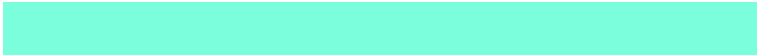
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.5308, 80.2651, 80.2248



52.8121, 78.9091, 76.0414



52.5639, 64.3769, 103.4251



18.3417, 20.3962, 22.1022



23.5385, 39.3120, 31.7849



2.3365, 3.8455, 3.3300

Inverse Universe

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



54.0446, 37.6733, 36.3246



50.0883, 31.6241, 27.4848



55.9350, 45.4717, 24.5692



18.2029, 18.0645, 19.6854



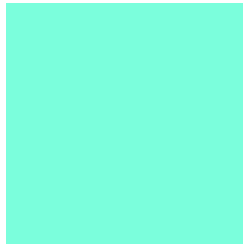
22.1168, 11.3360, 3.9995



2.1958, 1.1207, 0.6125

Previews

White Background



This preview shows how the XYZ color 56.5285, 80.2619, 80.2229 looks on a white background.

Color Contrast Check

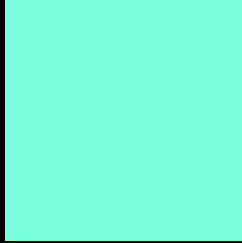
Large Text (above 18pt) WCAG AA × Fail

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 56.5285, 80.2619, 80.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

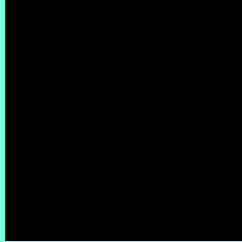
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5285, 80.2619, 80.2229

Background



This preview shows how black text looks on a background with the XYZ color 56.5285, 80.2619, 80.2229.



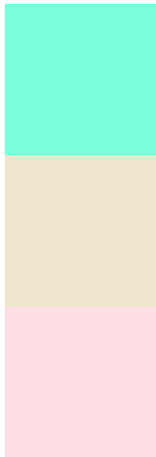
This preview shows how white text looks on a background with the XYZ color 56.5285, 80.2619, 80.2229.

80.2229.

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

56.5285, 80.2619, 80.2229

Protanopia

74.8784, 78.8943, 70.3131

Deuteranopia

80.4944, 78.6713, 83.6156



Tritanopia

67.6368, 79.4777, 106.3836

Trichromacy



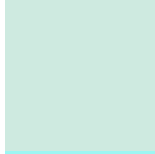
Original Color

56.5285, 80.2619, 80.2229



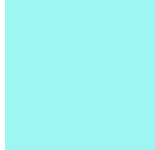
Protanomaly

65.4842, 77.7729, 73.8476



Deuteranomaly

68.3310, 77.3493, 81.8495



Tritanomaly

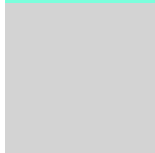
62.8874, 79.4904, 96.0331

Monochromacy



Original Color

56.5285, 80.2619, 80.2229



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.1971, 69.3769, 73.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5285, 80.2619, 80.2229 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, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(123, 254, 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(123, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 254, 220) }
```

Border

The CSS property to change the border of an element to XYZ 56.5285, 80.2619, 80.2229 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, 254, 220) }
```


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

```
.border{ border-color:rgb(123, 254, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 254, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 254, 220);  
box-shadow:4px 4px 4px 4px rgb(123, 254,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5285, 80.2619, 80.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 254, 220) }
```

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

```
.background{ background-color: rgb(123,  
254, 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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