

Converting Colors

XYZ(66.1109, 100.0000,
76.0037)

Have a look what the booklet for
XYZ(66.1109, 100.0000, 76.0037)
contains.

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Color

**XYZ(56.6287, 80.9487,
72.9616)**

Conversions

Conversions Part 1

Format	Color
Hex	83FFD1
RGB	131, 255, 209
RGB Percent	51%, 100%, 82%
CMY	0.4863, 0.0000, 0.1804
CMYK	0.49, 0.00, 0.18, 0.00
HSL	158°, 100%, 76%
HSV	158°, 49%, 100%
XYZ	56.6287, 80.9487, 72.9616
YIQ	212.6800, -59.1380, -40.5940

Conversions

Conversions Part 2

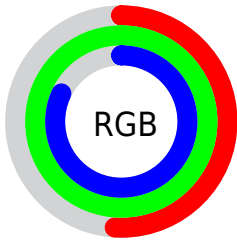
Format	Color
RYB	131, 207, 255
Decimal	8650705
CIELab	92.11, -45.26, 11.38
CIELCh	92, 46.666, 165.886
Yxy	80.9487, 0.2690, 0.3845
Android (android.graphics.Color)	4286840785 (0xFF83FFD1)
YUV	212.6800, -1.8142, -71.6334
Hunter-Lab	89.9715, -45.1009, 14.8993

Details

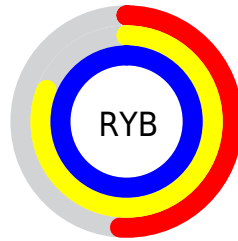
The XYZ color **56.6287, 80.9487, 72.9616** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2928, 40.6680, 46.4259**, and the grayscale version is **63.0723, 66.3569, 72.2627**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **28.6363, 44.0568, 38.0049** is the 20% darker color. If you saturate the color by 10%, you get **52.0170, 78.7026, 66.8132**, and if you desaturate by 10%, it is **62.2834, 83.7244, 79.5246**.

Distribution



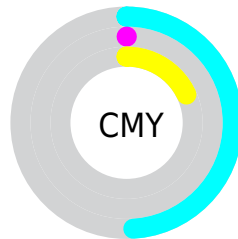
- Red (51%)
- Green (100%)
- Blue (82%)



- Red (51%)
- Yellow (81%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6287, 80.9487, 72.9616 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 56.6287, 80.9487, 72.9616 by changing the saturation by 10% instead.


 56.6287, 80.9487,
72.9616


 56.6287, 80.9487,
72.9616


402.0932,
498.1243, 489.9489


 40.9462, 60.4993,
53.4529


 99.0577, 134.6987,
125.1431

 28.4645, 43.8212,
37.7743


 126.5349,
168.7682, 158.6530

 18.8184, 30.5300,
25.5071

 158.6744,
208.1465, 197.6671

 11.6423, 20.2412,
16.2328

195.8415,
253.2180, 242.6039

 6.5711, 12.5705,
9.5329

238.4015,
304.3672, 293.8819

 3.2393, 7.1335,
4.9888


286.7200,


 1.2815, 3.5457,


361.9783, 351.9198


2.1821


341.1621,
426.4359, 417.1359


 0.1693, 1.4228,
0.6640


 0.0000, 0.2335,
0.0000


 56.6287, 80.9487,
72.9616


 56.6287, 80.9487,
72.9616


 52.0170, 78.7026,
66.8132


 62.2834, 83.7244,
79.5246


 48.3719, 76.9470,
61.0655

 69.0449, 87.0626,
86.5071

 45.6104, 75.6390,
55.7096

 76.9748, 90.9948,
93.9194

 43.6331, 74.7278,
50.7342

 86.1293, 95.5498,
101.7699

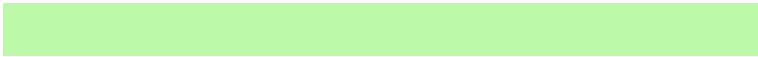
■ 42.2992, 74.1407, 95.0500, 100.0000,
46.1260 108.9000

■ 42.1406, 74.0723,
45.5199

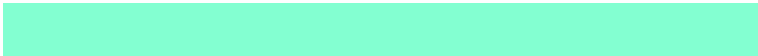
Harmonies

Analogous

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



61.5083, 80.9487, 49.6224



56.6287, 80.9487, 72.9616



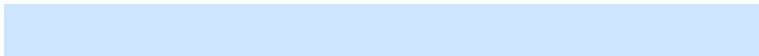
56.7796, 80.9487, 107.5298

Triad

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



56.6287, 80.9487, 72.9616



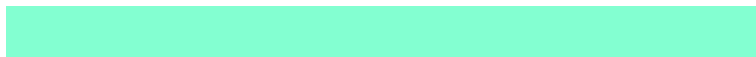
83.4414, 80.9487, 168.3740



94.1773, 80.9487, 48.6421

Complementary

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



56.6287, 80.9487, 72.9616



57.2928, 40.6680, 46.4259

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.



101.3818, 80.9487, 71.2325



56.6287, 80.9487, 72.9616



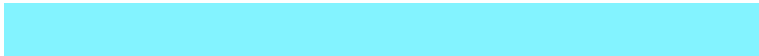
94.7567, 80.9487, 142.7180

Square

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



56.6287, 80.9487, 72.9616



71.4391, 80.9487, 169.1909



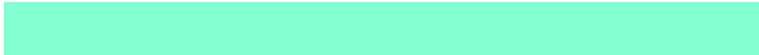
101.6043, 80.9487, 105.2883



82.7149, 80.9487, 38.2645

Rectangle

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



56.6287, 80.9487, 72.9616



59.6901, 80.9487, 132.9172



101.6043, 80.9487, 105.2883



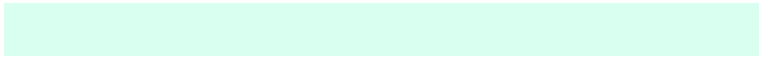
97.2275, 80.9487, 54.7510

Sweetspot

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



56.6295, 80.9491, 72.9630



80.1499, 92.5730, 96.7149



58.3402, 82.6873, 34.3594



16.7560, 19.6159, 20.3516



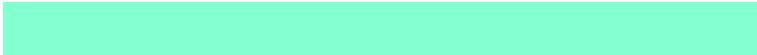
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.6295, 80.9491, 72.9630



52.2765, 78.8284, 67.1863



58.7281, 74.6805, 105.9272



18.2523, 20.3604, 21.6315



22.0940, 38.7342, 24.1780



2.2041, 3.7925, 2.6324

Inverse Universe

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



57.2928, 40.6680, 46.4259



53.0266, 34.4037, 38.0120



55.5343, 43.2935, 26.9035



18.2880, 18.0985, 20.1337



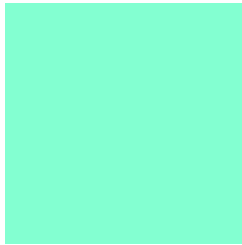
22.6844, 11.5631, 6.9885



2.2594, 1.1461, 0.9473

Previews

White Background



This preview shows how the XYZ color 56.6287, 80.9487, 72.9616 looks on a white background.

Color Contrast Check

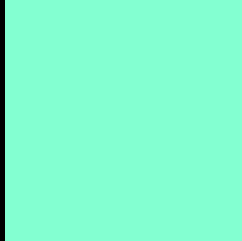
Large Text (above 18pt) WCAG AA × Fail

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 56.6287, 80.9487, 72.9616 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 56.6287, 80.9487, 72.9616

Background



This preview shows how black text looks on a background with the XYZ color 56.6287, 80.9487, 72.9616.



This preview shows how white text looks on a background with the XYZ color 56.6287, 80.9487,

72.9616.

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

56.6287, 80.9487, 72.9616

Protanopia

75.2228, 79.6338, 63.6308

Deuteranopia

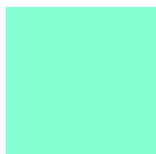
80.5505, 79.6333, 77.4550



Tritanopia

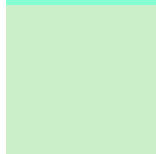
69.0935, 80.6693, 106.5369

Trichromacy



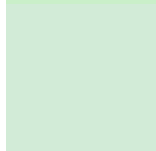
Original Color

56.6287, 80.9487, 72.9616



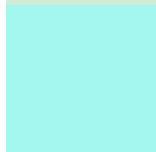
Protanomaly

65.7662, 78.5066, 66.9454



Deuteranomaly

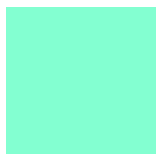
68.5524, 78.0246, 75.7371



Tritanomaly

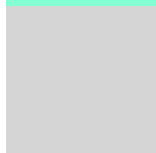
63.7976, 80.4811, 93.0608

Monochromacy



Original Color

56.6287, 80.9487, 72.9616



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.1555, 70.3076, 72.7402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6287, 80.9487, 72.9616 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 56.6287, 80.9487, 72.9616 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, 209) }
```


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

```
.border{ border-color:rgb(131, 255, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6287, 80.9487, 72.9616 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, 209) }
```

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

```
.background{ background-color: rgb(131,  
255, 209) }
```

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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