

Converting Colors

XYZ(56.8297, 79.3619, 72.3581)

Have a look what the booklet for
XYZ(56.8297, 79.3619, 72.3581)
contains.

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Color

**XYZ(56.8210, 79.1733,
72.6088)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFBD1
RGB	140, 251, 209
RGB Percent	55%, 98%, 82%
CMY	0.4510, 0.0157, 0.1804
CMYK	0.44, 0.00, 0.17, 0.02
HSL	157°, 93%, 77%
HSV	157°, 44%, 98%
XYZ	56.8210, 79.1733, 72.6088
YIQ	213.0230, -52.6740, -36.5940

Conversions

Conversions Part 2

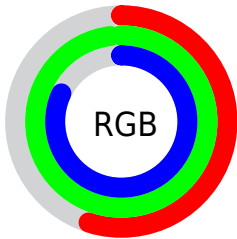
Format	Color
RYB	140, 208, 251
Decimal	9239505
CIELab	91.31, -41.35, 10.29
CIELCh	91, 42.611, 166.026
Yxy	79.1733, 0.2724, 0.3795
Android (android.graphics.Color)	4287429585 (0xFF8CFBD1)
YUV	213.0230, -1.9833, -64.0412
Hunter-Lab	88.9794, -41.7263, 13.9038

Details

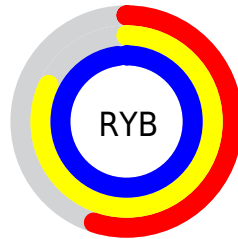
The XYZ color **56.8210, 79.1733, 72.6088** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.6079, 42.6447, 49.4538**, and the grayscale version is **63.3011, 66.5977, 72.5249**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **28.6879, 42.7440, 37.7487** is the 20% darker color. If you saturate the color by 10%, you get **51.9235, 76.7825, 66.4241**, and if you desaturate by 10%, it is **62.7576, 82.0958, 79.2116**.

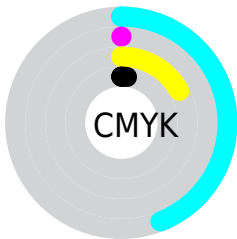
Distribution



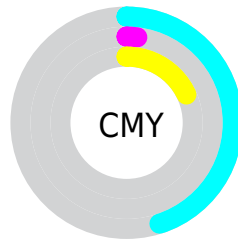
- Red (55%)
- Green (98%)
- Blue (82%)



- Red (55%)
- Yellow (82%)
- Blue (98%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (45%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8210, 79.1733, 72.6088 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 56.8210, 79.1733, 72.6088 by changing the saturation by 10% instead.


 56.8210, 79.1733,
72.6088


 56.8210, 79.1733,
72.6088


402.8033,
492.1424, 488.6922

 41.1011, 59.0383,
53.1663


 99.3368, 132.2028,
124.6375

 28.5861, 42.6440,
37.5469


 126.8635,
165.8661, 158.0607

 18.9107, 29.6059,
25.3321


159.0564,
204.8076, 196.9812

 11.7094, 19.5396,
16.1034

196.2811,
249.4118, 241.8175

 6.6169, 12.0608,
9.4422

238.9027,
300.0629, 292.9883

 3.2679, 6.7851,
4.9300

287.2867,

 1.2969, 3.3281,

357.1455, 350.9119

2.1482

341.7985,
421.0439, 416.0071

■ 0.1809, 1.3053,
0.6443

■ 0.0000, 0.1453,
0.0000

■ 56.8210, 79.1733,
72.6088

■ 56.8210, 79.1733,
72.6088

■ 51.9235, 76.7825,
66.4241

■ 62.7576, 82.0958,
79.2116

■ 47.9908, 74.8790,
60.6425

■ 69.7880, 85.5720,
86.2360

■ 44.9490, 73.4270,
55.2558

■ 77.9710, 89.6339,
93.6926

■ 42.7099, 72.3811,
50.2532

■ 87.3588, 94.3084,
101.5896

■ 41.1659, 71.6860,
45.6228

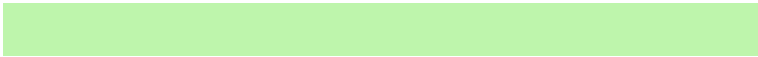
■ 93.7886, 97.4773,
108.4795

■ 40.5015, 71.3984,
43.1105

Harmonies

Analogous

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



61.2557, 79.1733, 51.1123



56.8210, 79.1733, 72.6088



56.9810, 79.1733, 103.7169

Triad

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



56.8210, 79.1733, 72.6088



81.1405, 79.1733, 157.0576



90.6348, 79.1733, 50.0550

Complementary

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



56.8210, 79.1733, 72.6088



57.6079, 42.6447, 49.4538

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.



97.0622, 79.1733, 70.7865



56.8210, 79.1733, 72.6088



91.2324, 79.1733, 134.5257

Square

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



56.8210, 79.1733, 72.6088



70.3408, 79.1733, 157.8827



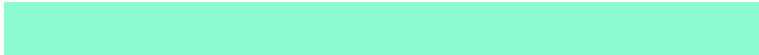
97.2908, 79.1733, 101.4034



80.3863, 79.1733, 40.3635

Rectangle

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



56.8210, 79.1733, 72.6088



59.6546, 79.1733, 126.1959



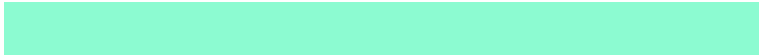
97.2908, 79.1733, 101.4034



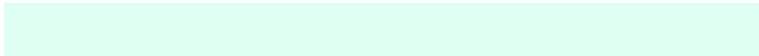
93.3553, 79.1733, 55.7065

Sweetspot

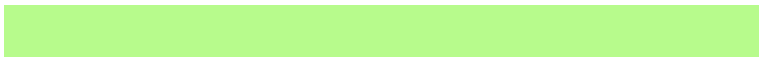
The Sweet Spot groups the original color and five complimentary colors.



56.8232, 79.1765, 72.6106



81.9339, 93.4642, 98.0861



58.6548, 80.9034, 37.3365



17.1064, 19.7910, 20.6180



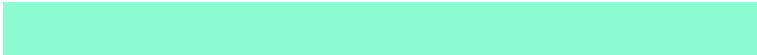
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.8232, 79.1765, 72.6106



54.3672, 79.8553, 69.5868



58.8194, 73.7218, 102.4002



17.4711, 19.4907, 20.6813



21.3615, 37.5576, 23.0447



2.0300, 3.4991, 2.4057

Inverse Universe

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



57.6079, 42.6447, 49.4538



55.2882, 37.5968, 42.8660



55.9027, 45.1707, 30.5844



17.5163, 17.3339, 19.3087



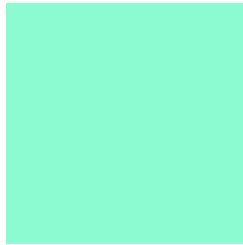
22.0622, 11.2406, 7.0362



2.0930, 1.0610, 0.9134

Previews

White Background



This preview shows how the XYZ color 56.8210, 79.1733, 72.6088 looks on a white background.

Color Contrast Check

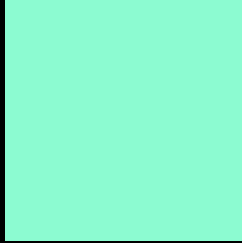
Large Text (above 18pt) WCAG AA × Fail

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 56.8210, 79.1733, 72.6088 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 56.8210, 79.1733, 72.6088

Background



This preview shows how black text looks on a background with the XYZ color 56.8210, 79.1733, 72.6088.



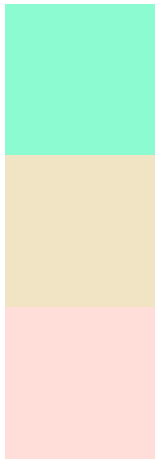
This preview shows how white text looks on a background with the XYZ color 56.8210, 79.1733,

72.6088.

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

56.8210, 79.1733, 72.6088

Protanopia

73.7566, 78.0433, 63.9998

Deuteranopia

79.4911, 77.9308, 75.8183



Tritanopia

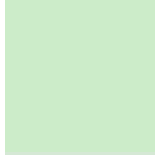
67.1146, 78.7703, 106.2746

Trichromacy



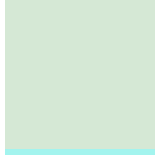
Original Color

56.8210, 79.1733, 72.6088



Protanomaly

65.4399, 77.0453, 66.6805



Deuteranomaly

68.3074, 76.6635, 74.1481



Tritanomaly

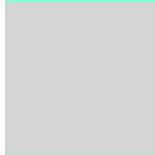
62.8876, 78.6609, 92.7575

Monochromacy



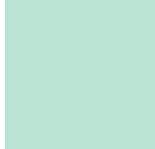
Original Color

56.8210, 79.1733, 72.6088



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.6025, 70.1307, 72.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8210, 79.1733, 72.6088 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(140, 251, 209)` looks like.

```
.text, #text, p{  
    color:rgb(140, 251, 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(140, 251, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 251, 209) }
```

Border

The CSS property to change the border of an element to XYZ 56.8210, 79.1733, 72.6088 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(140, 251, 209) }
```


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

```
.border{ border-color:rgb(140, 251, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 251, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 251, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 251, 209);  
box-shadow:4px 4px 4px 4px rgb(140, 251,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8210, 79.1733, 72.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 251, 209) }
```

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

```
.background{ background-color: rgb(140,  
251, 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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