

Converting Colors

XYZ(55.8491, 79.9295, 72.7281)

Have a look what the booklet for
XYZ(55.8491, 79.9295, 72.7281)
contains.

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Color

**XYZ(56.0037, 80.1542,
72.8412)**

Conversions

Conversions Part 1

Format	Color
Hex	81FED1
RGB	129, 254, 209
RGB Percent	51%, 100%, 82%
CMY	0.4941, 0.0039, 0.1804
CMYK	0.49, 0.00, 0.18, 0.00
HSL	158°, 98%, 75%
HSV	158°, 49%, 100%
XYZ	56.0037, 80.1542, 72.8412
YIQ	211.4950, -60.0550, -40.4950

Conversions

Conversions Part 2

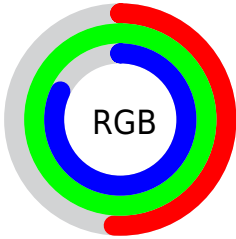
Format	Color
RYB	129, 205, 254
Decimal	8519377
CIELab	91.75, -45.28, 10.86
CIELCh	92, 46.566, 166.508
Yxy	80.1542, 0.2680, 0.3835
Android (android.graphics.Color)	4286709457 (0xFF81FED1)
YUV	211.4950, -1.2300, -72.3481
Hunter-Lab	89.5289, -45.0170, 14.4315

Details

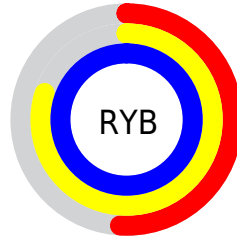
The XYZ color **56.0037, 80.1542, 72.8412** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.3660, 39.8294, 44.7645**, and the grayscale version is **62.2825, 65.5261, 71.3579**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **28.1974, 43.4924, 37.9191** is the 20% darker color. If you saturate the color by 10%, you get **51.5149, 77.9693, 66.8907**, and if you desaturate by 10%, it is **61.5208, 82.8658, 79.1825**.

Distribution



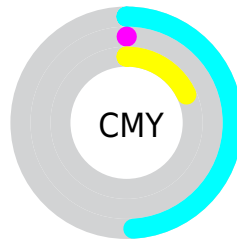
- Red (51%)
- Green (100%)
- Blue (82%)



- Red (51%)
- Yellow (80%)
- 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 56.0037, 80.1542, 72.8412 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 56.0037, 80.1542, 72.8412 by changing the saturation by 10% instead.


 56.0037, 80.1542,
72.8412


 56.0037, 80.1542,
72.8412


399.7802,
495.4523, 489.5203


 40.4429, 59.8453,
53.3551


 98.1498, 133.5825,
124.9706

 28.0698, 43.2939,
37.6966


 125.4657,
167.4707, 158.4509

 18.5190, 30.1158,
25.4473


 157.4308,
206.6540, 197.4331

 11.4252, 19.9265,
16.1886

194.4104,
251.5169, 242.3356

 6.4230, 12.3416,
9.5019

236.7697,
302.4438, 293.5771

 3.1470, 6.9768,
4.9687

284.8743,

 1.2320, 3.4476,

359.8191, 351.5760

2.1705

339.0893,
424.0271, 416.7509

0.1314, 1.3696,
0.6573

0.0000, 0.1942,
0.0000

56.0037, 80.1542,
72.8412

56.0037, 80.1542,
72.8412

51.5149, 77.9693,
66.8907

61.5208, 82.8658,
79.1825

47.9741, 76.2637,
61.3166

68.1255, 86.1284,
85.9178

45.3000, 74.9976,
56.1108

75.8804, 89.9762,
93.0571

43.3931, 74.1198,
51.2629

84.8412, 94.4379,
100.6082

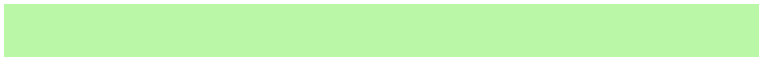
■ 42.1042, 73.5537, 94.6890, 99.3488,
46.7598 108.5614

■ 42.0146, 73.5150, 94.7332, 99.3665,
46.4188 108.7944

Harmonies

Analogous

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



60.7401, 80.1542, 49.4510



56.0037, 80.1542, 72.8412



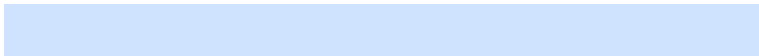
56.2584, 80.1542, 107.2815

Triad

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



56.0037, 80.1542, 72.8412



82.8826, 80.1542, 166.5271



93.0685, 80.1542, 47.7972

Complementary

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



56.0037, 80.1542, 72.8412



56.3660, 39.8294, 44.7645

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.



100.3338, 80.1542, 69.9233



56.0037, 80.1542, 72.8412



94.0465, 80.1542, 140.6811

Square

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



56.0037, 80.1542, 72.8412



70.9621, 80.1542, 167.9062



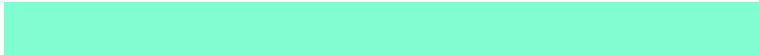
100.7093, 80.1542, 103.4981



81.6564, 80.1542, 37.7497

Rectangle

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



56.0037, 80.1542, 72.8412



59.2104, 80.1542, 132.4289



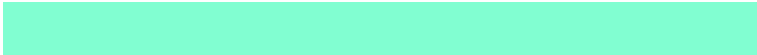
100.7093, 80.1542, 103.4981



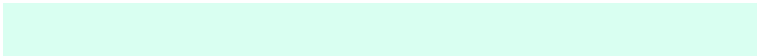
96.1264, 80.1542, 53.7639

Sweetspot

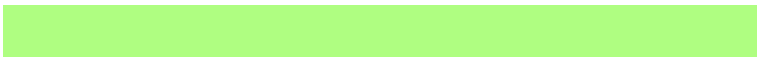
The Sweet Spot groups the original color and five complimentary colors.



56.0059, 80.1574, 72.8430



80.2125, 92.5980, 97.0444



57.0486, 81.5667, 33.5073



16.7712, 19.6219, 20.4312



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.



56.0059, 80.1574, 72.8430



52.0562, 78.7054, 67.6049



57.3260, 72.5876, 104.7591



18.2610, 20.3639, 21.6775



22.2229, 38.7857, 24.8567



2.2161, 3.7974, 2.6956

Inverse Universe

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



56.3660, 39.8294, 44.7645



52.4791, 33.7650, 36.4225



55.0655, 43.1130, 26.1895



18.2796, 18.0951, 20.0894



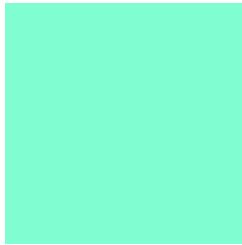
22.6184, 11.5367, 6.6410



2.2523, 1.1433, 0.9100

Previews

White Background



This preview shows how the XYZ color 56.0037, 80.1542, 72.8412 looks on a white background.

Color Contrast Check

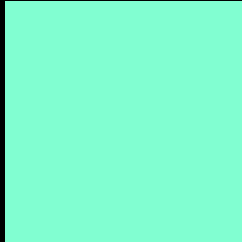
Large Text (above 18pt) WCAG AA × Fail

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 56.0037, 80.1542, 72.8412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

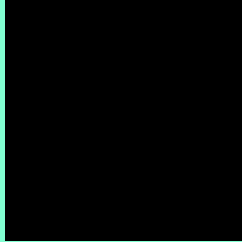
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

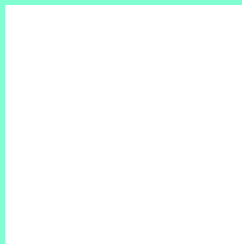
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0037, 80.1542, 72.8412

Background



This preview shows how black text looks on a background with the XYZ color 56.0037, 80.1542, 72.8412.



This preview shows how white text looks on a background with the XYZ color 56.0037, 80.1542,

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

56.0037, 80.1542, 72.8412

Protanopia

74.6011, 78.9014, 63.5221

Deuteranopia

80.1521, 79.0451, 76.6784



Tritanopia

67.8654, 79.5956, 106.3943

Trichromacy



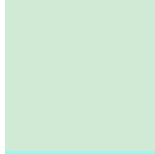
Original Color

56.0037, 80.1542, 72.8412



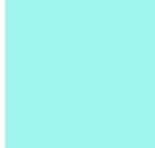
Protanomaly

65.2045, 77.7836, 66.8354



Deuteranomaly

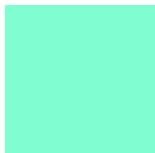
67.8549, 77.2560, 74.9539



Tritanomaly

62.8856, 79.5582, 92.9308

Monochromacy



Original Color

56.0037, 80.1542, 72.8412



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.1580, 69.4151, 71.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0037, 80.1542, 72.8412 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(129, 254, 209)` looks like.

```
.text, #text, p{  
    color:rgb(129, 254, 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(129, 254, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 254, 209) }
```

Border

The CSS property to change the border of an element to XYZ 56.0037, 80.1542, 72.8412 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(129, 254, 209) }
```


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

```
.border{ border-color:rgb(129, 254, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 254, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 254, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 254, 209);  
box-shadow:4px 4px 4px 4px rgb(129, 254,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0037, 80.1542, 72.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 254, 209) }
```

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

```
.background{ background-color: rgb(129,  
254, 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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