

Converting Colors

XYZ(55.9977, 76.9972, 80.0278)

Have a look what the booklet for
XYZ(55.9977, 76.9972, 80.0278)
contains.

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Color

**XYZ(56.1343, 77.2608,
80.3609)**

Conversions

Conversions Part 1

Format	Color
Hex	84F8DD
RGB	132, 248, 221
RGB Percent	52%, 97%, 87%
CMY	0.4823, 0.0274, 0.1333
CMYK	0.47, 0.00, 0.11, 0.03
HSL	166°, 89%, 75%
HSV	166°, 47%, 97%
XYZ	56.1343, 77.2608, 80.3609
YIQ	210.2380, -60.4690, -32.9890

Conversions

Conversions Part 2

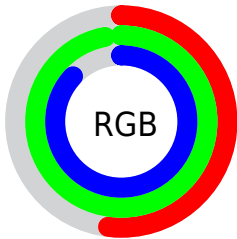
Format	Color
RYB	132, 198, 248
Decimal	8714461
CIELab	90.44, -39.30, 2.78
CIELCh	90, 39.396, 175.956
Yxy	77.2608, 0.2626, 0.3614
Android (android.graphics.Color)	4286904541 (0xFF84F8DD)
YUV	210.2380, 5.3057, -68.6147
Hunter-Lab	87.8981, -39.8264, 7.3228

Details

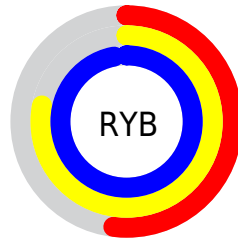
The XYZ color **56.1343, 77.2608, 80.3609** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.2233, 38.9643, 37.5195**, and the grayscale version is **61.4115, 64.6096, 70.3599**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **28.1123, 41.3544, 42.5769** is the 20% darker color. If you saturate the color by 10%, you get **51.9518, 75.1940, 76.2201**, and if you desaturate by 10%, it is **61.2693, 79.8195, 84.6878**.

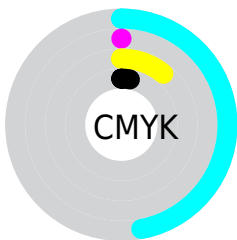
Distribution



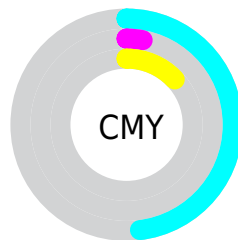
- Red (52%)
- Green (97%)
- Blue (87%)



- Red (52%)
- Yellow (78%)
- Blue (97%)



- Cyan (47%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)




- Cyan (48%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1343, 77.2608, 80.3609 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 56.1343, 77.2608, 80.3609 by changing the saturation by 10% instead.


 56.1343, 77.2608,
80.3609


 56.1343, 77.2608,
80.3609


400.2642,
485.6528, 515.8871


 40.5480, 57.4669,
59.4875

 98.3396, 129.5076,
135.6890

 28.1522, 41.3803,
42.5831


 125.6893,
162.7293, 170.9807

 18.5815, 28.6163,
29.2291


 157.6909,
201.1957, 211.9157

 11.4705, 18.7908,
19.0072

194.7097,
245.2913, 258.9123

 6.4538, 11.5192,
11.4986

237.1111,
295.4004, 312.3893

 3.1662, 6.4172,
6.2849

285.2604,

 1.2423, 3.1004,

351.9074, 372.7650

2.9475

339.5230,
415.1967, 440.4581

■ 0.1393, 1.1844,
1.0679

■ 0.0000, 0.0489,
0.0000

■ 56.1343, 77.2608,
80.3609

■ 56.1343, 77.2608,
80.3609

■ 51.9518, 75.1940,
76.2201

■ 61.2693, 79.8195,
84.6878

■ 48.6487, 73.5755,
72.2554

■ 67.4104, 82.8919,
89.1995

■ 46.1517, 72.3696,
68.4638

■ 74.6149, 86.5093,
93.9017

■ 44.3723, 71.5306,
64.8397

■ 82.9336, 90.6980,
98.7982

■ 43.1985, 71.0009,
61.3765

■ 92.0432, 95.2912,
103.8750

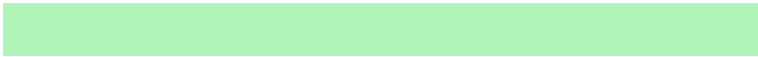
■ 42.8930, 70.8672,
60.2905

■ 92.8587, 95.6174,
108.1696

Harmonies

Analogous

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



58.8481, 77.2608, 57.2932



56.1343, 77.2608, 80.3609



57.7046, 77.2608, 110.1340

Triad

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



56.1343, 77.2608, 80.3609



82.0288, 77.2608, 142.8431



84.5416, 77.2608, 46.7441

Complementary

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



56.1343, 77.2608, 80.3609



53.2233, 38.9643, 37.5195

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.



91.7899, 77.2608, 62.5697



56.1343, 77.2608, 80.3609



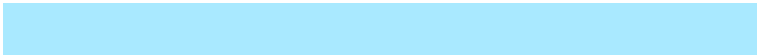
90.2506, 77.2608, 118.2446

Square

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



56.1343, 77.2608, 80.3609



72.1081, 77.2608, 150.5643



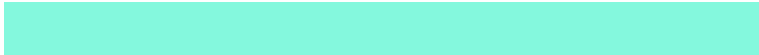
93.9664, 77.2608, 88.0025



74.7762, 77.2608, 40.8282

Rectangle

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



56.1343, 77.2608, 80.3609



61.0523, 77.2608, 129.3850



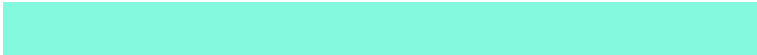
93.9664, 77.2608, 88.0025



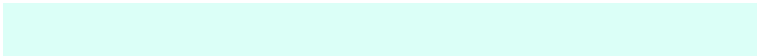
87.3860, 77.2608, 50.8811

Sweetspot

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



56.1365, 77.2639, 80.3627



81.8044, 93.3229, 101.4465



52.0460, 76.1817, 33.7927



17.1183, 19.7781, 21.4757



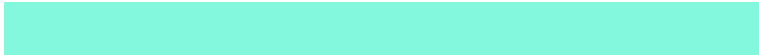
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.1365, 77.2639, 80.3627



55.6201, 80.2389, 81.4943



51.2914, 61.3457, 97.9480



17.5828, 19.5354, 21.2698



23.2266, 38.3036, 32.8662



2.1916, 3.5637, 3.2568

Inverse Universe

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



53.2233, 38.9643, 37.5195



52.2012, 34.9505, 30.9614



55.9642, 47.7955, 28.1071



17.4101, 17.2914, 18.7495



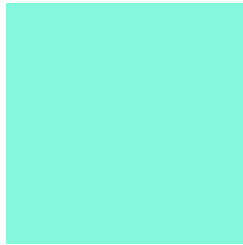
21.3651, 10.9618, 3.3653



2.0177, 1.0308, 0.5169

Previews

White Background



This preview shows how the XYZ color 56.1343, 77.2608, 80.3609 looks on a white background.

Color Contrast Check

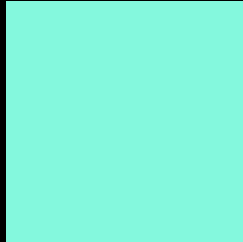
Large Text (above 18pt) WCAG AA × Fail

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 56.1343, 77.2608, 80.3609 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

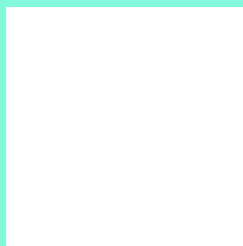
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1343, 77.2608, 80.3609

Background



This preview shows how black text looks on a background with the XYZ color 56.1343, 77.2608, 80.3609.



This preview shows how white text looks on a background with the XYZ color 56.1343, 77.2608,

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

56.1343, 77.2608, 80.3609

Protanopia

72.3655, 75.9463, 71.1666

Deuteranopia

77.5544, 75.9832, 83.2517



Tritanopia

64.2263, 76.8455, 106.0553

Trichromacy



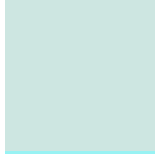
Original Color

56.1343, 77.2608, 80.3609



Protanomaly

64.1751, 74.9522, 74.0356



Deuteranomaly

67.0643, 75.0090, 82.1777



Tritanomaly

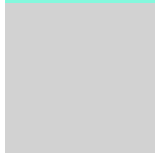
60.8787, 76.6507, 96.3804

Monochromacy



Original Color

56.1343, 77.2608, 80.3609



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.0847, 68.1114, 73.7038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1343, 77.2608, 80.3609 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(132, 248, 221)` looks like.

```
.text, #text, p{  
    color:rgb(132, 248, 221)  
}
```

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(132, 248, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 248, 221) }
```

Border

The CSS property to change the border of an element to XYZ 56.1343, 77.2608, 80.3609 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(132, 248, 221) }
```


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

```
.border{ border-color:rgb(132, 248, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 248, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 248, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 248, 221);  
box-shadow:4px 4px 4px 4px rgb(132, 248,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1343, 77.2608, 80.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 248, 221) }
```

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

```
.background{ background-color: rgb(132,  
248, 221) }
```

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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