

Converting Colors

XYZ(54.9765, 78.3327, 71.9577)

Have a look what the booklet for
XYZ(54.9765, 78.3327, 71.9577)
contains.

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Color

**XYZ(54.9356, 78.2156,
71.8762)**

Conversions

Conversions Part 1

Format	Color
Hex	81FBD0
RGB	129, 251, 208
RGB Percent	51%, 98%, 82%
CMY	0.4941, 0.0157, 0.1843
CMYK	0.49, 0.00, 0.17, 0.02
HSL	159°, 94%, 75%
HSV	159°, 49%, 98%
XYZ	54.9356, 78.2156, 71.8762
YIQ	209.6200, -58.9090, -39.2370

Conversions

Conversions Part 2

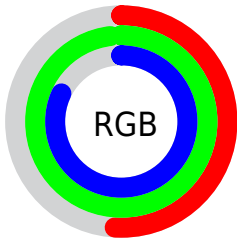
Format	Color
RYB	129, 203, 251
Decimal	8518608
CIELab	90.88, -44.19, 10.13
CIELCh	91, 45.334, 167.088
Yxy	78.2156, 0.2679, 0.3815
Android (android.graphics.Color)	4286708688 (0xFF81FBD0)
YUV	209.6200, -0.7987, -70.7037
Hunter-Lab	88.4396, -43.8913, 13.7218

Details

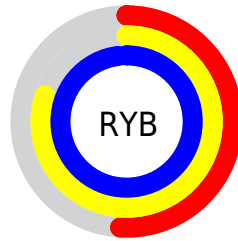
The XYZ color **54.9356, 78.2156, 71.8762** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.0829, 39.1902, 43.6939**, and the grayscale version is **61.0440, 64.2230, 69.9389**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **27.5084, 42.1456, 37.2569** is the 20% darker color. If you saturate the color by 10%, you get **50.5230, 76.0651, 66.1462**, and if you desaturate by 10%, it is **60.3496, 80.8793, 77.9734**.

Distribution



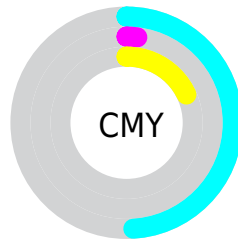
- Red (51%)
- Green (98%)
- Blue (82%)



- Red (51%)
- Yellow (80%)
- Blue (98%)



- Cyan (49%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (49%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9356, 78.2156, 71.8762 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 54.9356, 78.2156, 71.8762 by changing the saturation by 10% instead.


 54.9356, 78.2156,
71.8762


 54.9356, 78.2156,
71.8762

395.8081,
488.8987, 486.0765


 39.5838, 58.2511,
52.5713

 96.5955, 130.8540,
123.5866

 27.3970, 42.0106,
37.0753


 123.6342,
164.2967, 156.8292

 18.0097, 29.1096,
24.9696


 155.2994,
203.0009, 195.5548

 11.0567, 19.1637,
15.8356

191.9563,
247.3511, 240.1819

 6.1725, 11.7886,
9.2548

233.9702,
297.7315, 291.1291

 2.9919, 6.5999,
4.8087

281.7066,

 1.1495, 3.2132,

354.5267, 348.8149

2.0787

335.5308,
418.1210, 413.6579

0.0659, 1.2440,
0.6030

0.0000, 0.0972,
0.0000

54.9356, 78.2156,
71.8762

54.9356, 78.2156,
71.8762

50.5230, 76.0651,
66.1462

60.3496, 80.8793,
77.9734

47.0345, 74.3822,
60.7697

66.8221, 84.0796,
84.4405


44.3918, 73.1284,
55.7395


74.4136, 87.8495,
91.2869


42.4995, 72.2548,
51.0456

83.1779, 92.2166,
98.5198

 41.2221, 71.6917,
46.6763

 93.1654, 97.2069,
106.1462

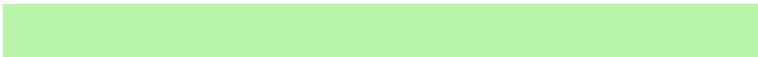
 41.0675, 71.6248,
46.0911

 93.7886, 97.4772,
108.4795

Harmonies

Analogous

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



59.3981, 78.2156, 49.1354



54.9356, 78.2156, 71.8762



55.2746, 78.2156, 105.0002

Triad

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



54.9356, 78.2156, 71.8762



80.9788, 78.2156, 160.4798



90.3085, 78.2156, 46.9249

Complementary

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



54.9356, 78.2156, 71.8762



55.0829, 39.1902, 43.6939

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.



97.3551, 78.2156, 67.9971



54.9356, 78.2156, 71.8762



91.6021, 78.2156, 135.5290

Square

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



54.9356, 78.2156, 71.8762



69.5444, 78.2156, 162.2952



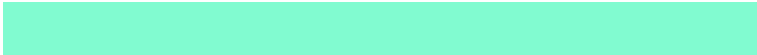
97.8514, 78.2156, 99.9950



79.3544, 78.2156, 37.4146

Rectangle

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



54.9356, 78.2156, 71.8762



58.1724, 78.2156, 128.9694



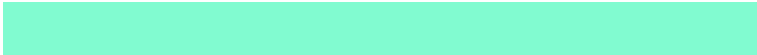
97.8514, 78.2156, 99.9950



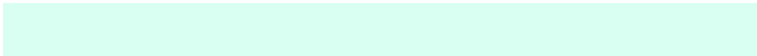
93.2594, 78.2156, 52.6045

Sweetspot

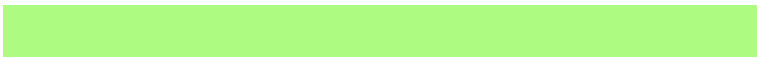
The Sweet Spot groups the original color and five complimentary colors.



54.9378, 78.2187, 71.8780



80.2557, 92.6153, 97.2718



55.8583, 79.5508, 33.1808



16.7816, 19.6261, 20.4861



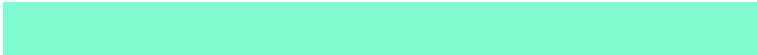
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.9378, 78.2187, 71.8780



52.5993, 78.9575, 68.8860



56.1003, 70.8993, 101.9987



17.4908, 19.4986, 20.7852



21.6576, 37.6761, 24.6041



2.0562, 3.5096, 2.5436

Inverse Universe

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



55.0829, 39.1902, 43.6939



52.7862, 34.3075, 36.7460



53.9147, 42.4286, 26.1179



17.4973, 17.3263, 19.2083



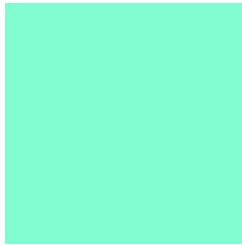
21.9105, 11.1799, 6.2369



2.0775, 1.0547, 0.8317

Previews

White Background



This preview shows how the XYZ color 54.9356, 78.2156, 71.8762 looks on a white background.

Color Contrast Check

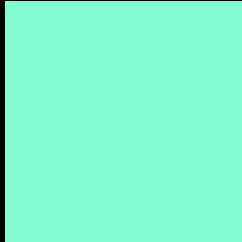
Large Text (above 18pt) WCAG AA × Fail

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 54.9356, 78.2156, 71.8762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

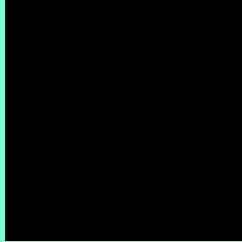
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.9356, 78.2156, 71.8762

Background



This preview shows how black text looks on a background with the XYZ color 54.9356, 78.2156, 71.8762.

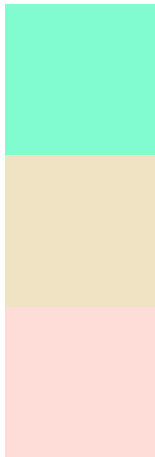


This preview shows how white text looks on a background with the XYZ color 54.9356, 78.2156, 71.8762.

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

54.9356, 78.2156, 71.8762

Protanopia

73.0295, 77.2744, 63.2909

Deuteranopia

78.7320, 77.1635, 75.0344



Tritanopia

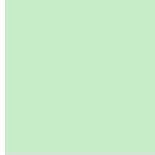
65.5723, 77.9752, 106.2024

Trichromacy



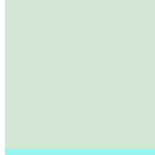
Original Color

54.9356, 78.2156, 71.8762



Protanomaly

63.9740, 76.3031, 65.9998



Deuteranomaly

66.7541, 75.4606, 73.3344



Tritanomaly

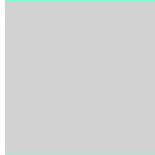
61.1097, 77.7444, 92.6743

Monochromacy



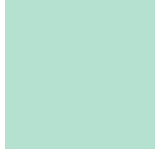
Original Color

54.9356, 78.2156, 71.8762



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

57.4899, 68.2776, 70.4705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9356, 78.2156, 71.8762 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, 251, 208)` looks like.

```
.text, #text, p{  
    color:rgb(129, 251, 208)  
}
```

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, 251, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 251, 208) }
```

Border

The CSS property to change the border of an element to XYZ 54.9356, 78.2156, 71.8762 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, 251, 208) }
```


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

```
.border{ border-color:rgb(129, 251, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 251, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 251, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 251, 208);  
box-shadow:4px 4px 4px 4px rgb(129, 251,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9356, 78.2156, 71.8762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 251, 208) }
```

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

```
.background{ background-color: rgb(129,  
251, 208) }
```

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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