

Converting Colors

XYZ(53.2111, 78.8826, 86.5501)

Have a look what the booklet for
XYZ(53.2111, 78.8826, 86.5501)
contains.

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Color

**XYZ(53.2111, 78.8826,
86.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	50FFE5
RGB	80, 255, 229
RGB Percent	31%, 100%, 90%
CMY	0.6862, 0.0000, 0.1020
CMYK	0.69, 0.00, 0.10, 0.00
HSL	171°, 100%, 66%
HSV	171°, 69%, 100%
XYZ	53.2111, 78.8826, 86.5501
YIQ	199.7110, -95.9540, -45.1860

Conversions

Conversions Part 2

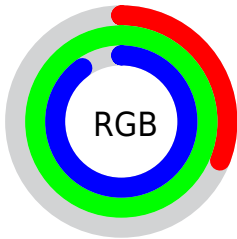
Format	Color
RYB	80, 175, 255
Decimal	5308389
CIELab	91.18, -49.90, -0.47
CIELCh	91, 49.901, 180.542
Yxy	78.8826, 0.2434, 0.3608
Android (android.graphics.Color)	4283498469 (0xFF50FFE5)
YUV	199.7110, 14.4395, -104.9865
Hunter-Lab	88.8159, -48.4854, 4.3937

Details

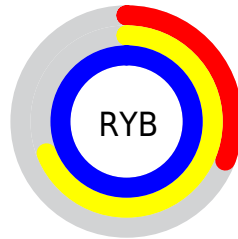
The XYZ color **53.2111, 78.8826, 86.5501** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **46.7111, 28.0393, 16.5876**, and the grayscale version is **54.6793, 57.5269, 62.6468**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **27.6062, 42.9885, 46.8870** is the 20% darker color. If you saturate the color by 10%, you get **50.9285, 77.7663, 83.7131**, and if you desaturate by 10%, it is **56.3236, 80.4253, 89.4890**.

Distribution



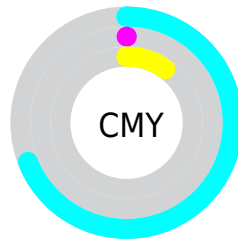
- Red (31%)
- Green (100%)
- Blue (90%)



- Red (31%)
- Yellow (69%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2111, 78.8826, 86.5501 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 53.2111, 78.8826, 86.5501 by changing the saturation by 10% instead.


 53.2111, 78.8826,
86.5501


 53.2111, 78.8826,
86.5501


389.3421,
491.1591, 537.0211


 38.1995, 58.7993,
64.5655


 94.0786, 131.7936,
144.4302

 26.3155, 42.4516,
46.6597


 120.6652,
165.3900, 181.1628

 17.1937, 29.4550,
32.4143

 151.8409,
204.2596, 223.6484

 10.4689, 19.4253,
21.4107

 187.9709,
248.7868, 272.3056

 5.7756, 11.9780,
13.2304

229.4207,
299.3560, 327.5529

 2.7484, 6.7287,
7.4548

276.5556,

 1.0222, 3.2930,

356.3515, 389.8089

3.6654

329.7410,
420.1577, 459.4922

0.0000, 1.2866,
1.4436

0.0000, 0.1308,
0.1754

53.2111, 78.8826,
86.5501

53.2111, 78.8826,
86.5501

50.9285, 77.7663,
83.7131

56.3236, 80.4253,
89.4890

49.3748, 77.0245,
80.9687

60.3459, 82.4358,
92.5297

48.4113, 76.5856,
78.3115

65.3517, 84.9519,
95.6774

48.2994, 76.5358,
77.9515

71.4062, 88.0072,
98.9356

■ 78.5690, 91.6326,
102.3074

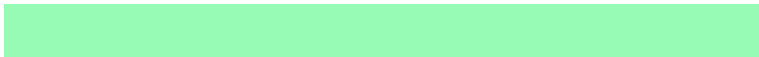
■ 86.8953, 95.8564,
105.7958

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.7486, 78.8826, 56.0150



53.2111, 78.8826, 86.5501



55.9375, 78.8826, 126.3221

Triad

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



53.2111, 78.8826, 86.5501



88.0118, 78.8826, 160.8319



87.5692, 78.8826, 38.4341

Complementary

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



53.2111, 78.8826, 86.5501



46.7111, 28.0393, 16.5876

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.



97.9066, 78.8826, 55.1614



53.2111, 78.8826, 86.5501



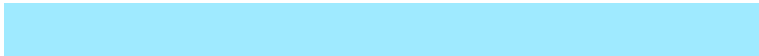
98.1816, 78.8826, 124.8524

Square

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



53.2111, 78.8826, 86.5501



75.2058, 78.8826, 175.9436



101.9879, 78.8826, 85.2328



74.7458, 78.8826, 33.4098

Rectangle

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



53.2111, 78.8826, 86.5501



60.5715, 78.8826, 151.5903



101.9879, 78.8826, 85.2328



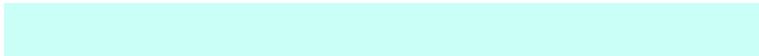
91.4993, 78.8826, 42.5901

Sweetspot

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



53.2121, 78.8831, 86.5515



76.7639, 90.7181, 101.4959



43.1827, 75.1793, 19.8261



15.9990, 19.1989, 21.5242



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.



53.2121, 78.8831, 86.5515



50.3279, 77.4768, 82.7764



40.5958, 47.3995, 101.6171



18.4320, 20.4323, 22.5779



25.2816, 40.0092, 40.9636



2.4918, 3.9076, 4.1474

Inverse Universe

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



46.7111, 28.0393, 16.5876



43.5514, 23.7415, 9.3019



52.2509, 40.9645, 12.7440



18.1193, 18.0310, 19.2455



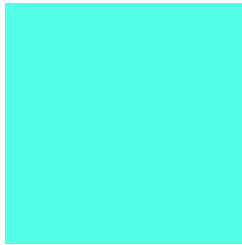
21.7634, 11.1946, 2.1385



2.1500, 1.1024, 0.3714

Previews

White Background



This preview shows how the XYZ color 53.2111, 78.8826, 86.5501 looks on a white background.

Color Contrast Check

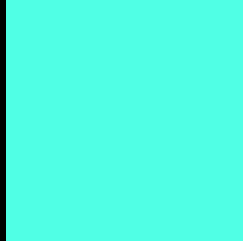
Large Text (above 18pt) WCAG AA × Fail

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 53.2111, 78.8826, 86.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

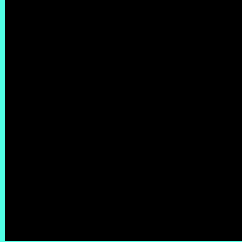
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

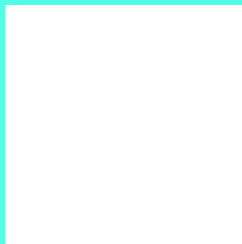
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2111, 78.8826, 86.5501

Background



This preview shows how black text looks on a background with the XYZ color 53.2111, 78.8826, 86.5501.

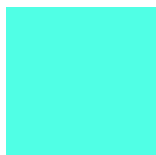


This preview shows how white text looks on a background with the XYZ color 53.2111, 78.8826,

Color Blindness Simulation

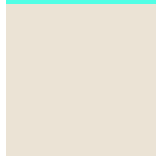
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



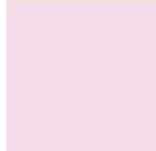
Original Color

53.2111, 78.8826, 86.5501



Protanopia

73.7403, 77.4044, 74.0048



Deuteranopia

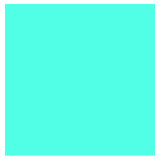
79.0028, 77.3619, 90.1253



Tritanopia

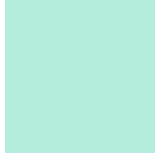
64.7024, 78.4056, 106.3314

Trichromacy



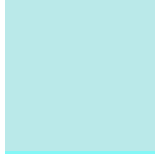
Original Color

53.2111, 78.8826, 86.5501



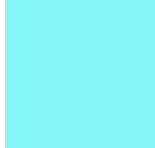
Protanomaly

61.6608, 75.2666, 78.2959



Deuteranomaly

64.0966, 74.6001, 88.1118



Tritanomaly

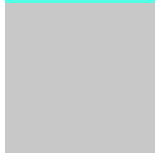
59.4110, 78.0809, 99.1286

Monochromacy



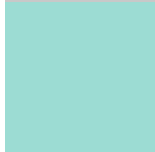
Original Color

53.2111, 78.8826, 86.5501



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.0614, 62.9575, 71.0888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2111, 78.8826, 86.5501 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(80, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 229)  
}
```

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(80, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 229) }
```

Border

The CSS property to change the border of an element to XYZ 53.2111, 78.8826, 86.5501 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(80, 255, 229) }
```


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

```
.border{ border-color:rgb(80, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2111, 78.8826, 86.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 229) }
```

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

```
.background{ background-color: rgb(80, 255,  
229) }
```

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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