

Converting Colors

XYZ(52.9035, 78.5347, 88.0766)

Have a look what the booklet for
XYZ(52.9035, 78.5347, 88.0766)
contains.

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Color

**XYZ(53.0078, 78.7454,
88.0069)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFFE7
RGB	74, 255, 231
RGB Percent	29%, 100%, 91%
CMY	0.7098, 0.0000, 0.0941
CMYK	0.71, 0.00, 0.09, 0.00
HSL	172°, 100%, 65%
HSV	172°, 71%, 100%
XYZ	53.0078, 78.7454, 88.0069
YIQ	198.1450, -100.1720, -45.8360

Conversions

Conversions Part 2

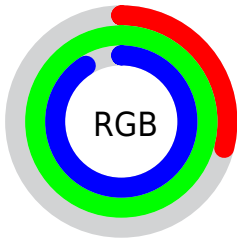
Format	Color
RYB	74, 171, 255
Decimal	4915175
CIELab	91.12, -50.16, -1.61
CIElCh	91, 50.182, 181.842
Yxy	78.7454, 0.2412, 0.3583
Android (android.graphics.Color)	4283105255 (0xFF4AFFE7)
YUV	198.1450, 16.1975, -108.8752
Hunter-Lab	88.7386, -48.6660, 3.3159

Details

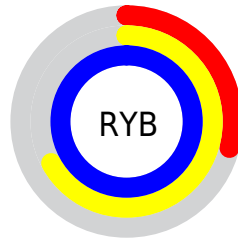
The XYZ color **53.0078, 78.7454, 88.0069** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.8943, 27.0407, 14.3574**, and the grayscale version is **53.7140, 56.5113, 61.5408**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **50.9540, 77.7412, 85.4431**, and if you desaturate by 10%, it is **55.8677, 80.1639, 90.6594**.

Distribution



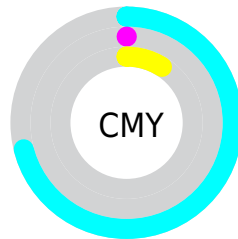
- Red (29%)
- Green (100%)
- Blue (91%)



- Red (29%)
- Yellow (67%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0078, 78.7454, 88.0069 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 53.0078, 78.7454, 88.0069 by changing the saturation by 10% instead.


 53.0078, 78.7454,
88.0069


 53.0078, 78.7454,
88.0069


388.5754,
490.6946, 541.9277


 38.0365, 58.6865,
65.7644


 93.7813, 131.6004,
146.4780


 26.1884, 42.3608,
47.6259


 120.3142,
165.1652, 183.5437

 17.0980, 29.3839,
33.1728

 151.4317,
204.0009, 226.3875

 10.4001, 19.3714,
21.9867

 187.4992,
248.4917, 275.4280

 5.7294, 11.9390,
13.6489

228.8819,
299.0221, 331.0837

 2.7203, 6.7021,
7.7409

275.9453,

 1.0076, 3.2765,

355.9764, 393.7733

3.8442

329.0547,
419.7392, 463.9151

■ 0.0000, 1.2777,
1.5403

■ 0.0000, 0.1239,
0.2477

■ 53.0078, 78.7454,
88.0069

■ 53.0078, 78.7454,
88.0069

■ 50.9540, 77.7412,
85.4431

■ 55.8677, 80.1639,
90.6594

■ 49.6006, 77.0971,
82.9586

■ 59.6167, 82.0398,
93.4005

■ 48.8363, 76.7505,
80.7791

■ 64.3304, 84.4119,
96.2354

■ 70.0756, 87.3148,
99.1676

■ 76.9133, 90.7797,
102.2001

■ 84.8994, 94.8355,
105.3359

■ 94.0862, 99.5093,
108.5775

■ 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.



55.3255, 78.7454, 56.8074



53.0078, 78.7454, 88.0069



55.9694, 78.7454, 128.1514

Triad

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



53.0078, 78.7454, 88.0069



88.4724, 78.7454, 159.8708



86.9619, 78.7454, 37.7041

Complementary

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



53.0078, 78.7454, 88.0069



45.8943, 27.0407, 14.3574

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.



97.5490, 78.7454, 53.9007



53.0078, 78.7454, 88.0069



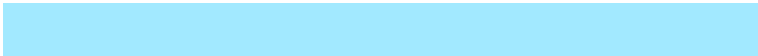
98.4881, 78.7454, 123.1311

Square

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



53.0078, 78.7454, 88.0069



75.6324, 78.7454, 176.2818



101.9816, 78.7454, 83.5131



74.0633, 78.7454, 33.1395

Rectangle

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



53.0078, 78.7454, 88.0069



60.7577, 78.7454, 153.2732



101.9816, 78.7454, 83.5131



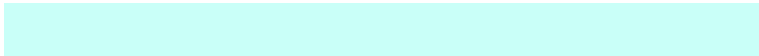
90.9574, 78.7454, 41.6900

Sweetspot

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



53.0088, 78.7458, 88.0083



76.8963, 90.7711, 102.1931



42.0485, 74.6190, 18.6668



16.0309, 19.2116, 21.6921



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.



53.0088, 78.7458, 88.0083



50.3318, 77.4421, 84.4342



38.9942, 44.9152, 101.2220



18.4451, 20.4376, 22.6469



25.5584, 40.1199, 42.4212



2.5161, 3.9174, 4.2754

Inverse Universe

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



45.8943, 27.0407, 14.3574



42.9539, 23.0674, 7.4970



51.9089, 40.6196, 11.5845



18.1074, 18.0263, 19.1827



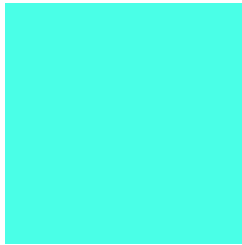
21.7281, 11.1806, 1.9530



2.1444, 1.1001, 0.3421

Previews

White Background



This preview shows how the XYZ color 53.0078, 78.7454, 88.0069 looks on a white background.

Color Contrast Check

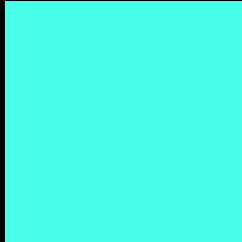
Large Text (above 18pt) WCAG AA × Fail

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 53.0078, 78.7454, 88.0069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

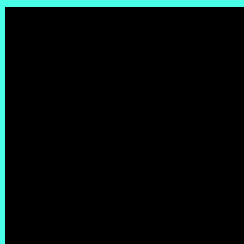
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

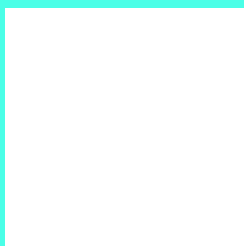
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0078, 78.7454, 88.0069

Background



This preview shows how black text looks on a background with the XYZ color 53.0078, 78.7454, 88.0069.

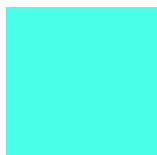


This preview shows how white text looks on a background with the XYZ color 53.0078, 78.7454,

Color Blindness Simulation

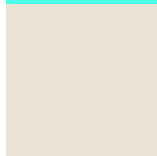
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



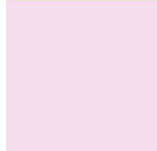
Original Color

53.0078, 78.7454, 88.0069



Protanopia

73.6665, 77.3369, 75.3348



Deuteranopia

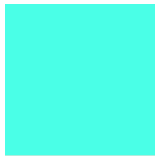
78.9453, 77.2984, 91.6481



Tritanopia

64.2993, 78.1978, 106.3125

Trichromacy



Original Color

53.0078, 78.7454, 88.0069



Protanomaly

61.2398, 75.0189, 79.6590



Deuteranomaly

63.6627, 74.3433, 89.5916



Tritanomaly

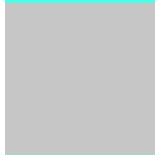
58.9486, 77.8425, 99.1070

Monochromacy



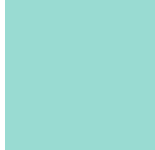
Original Color

53.0078, 78.7454, 88.0069



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.1012, 62.0885, 70.3164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0078, 78.7454, 88.0069 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(74, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 231)  
}
```

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(74, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 53.0078, 78.7454, 88.0069 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(74, 255, 231) }
```


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

```
.border{ border-color:rgb(74, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0078, 78.7454, 88.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 231) }
```

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

```
.background{ background-color: rgb(74, 255,  
231) }
```

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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