

Converting Colors

XYZ(53.0657, 78.6443, 93.9211)

Have a look what the booklet for
XYZ(53.0657, 78.6443, 93.9211)
contains.

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Color

**XYZ(53.0849, 78.6515,
94.0448)**

Conversions

Conversions Part 1

Format	Color
Hex	3AFFEF
RGB	58, 255, 239
RGB Percent	23%, 100%, 94%
CMY	0.7725, 0.0000, 0.0627
CMYK	0.77, 0.00, 0.06, 0.00
HSL	175°, 100%, 61%
HSV	175°, 77%, 100%
XYZ	53.0849, 78.6515, 94.0448
YIQ	194.2730, -112.2760, -46.7400

Conversions

Conversions Part 2

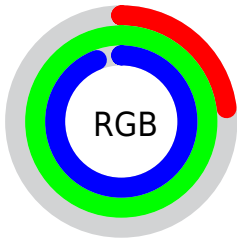
Format	Color
RYB	58, 161, 255
Decimal	3866607
CIELab	91.08, -49.77, -5.85
CIELCh	91, 50.116, 186.707
Yxy	78.6515, 0.2351, 0.3484
Android (android.graphics.Color)	4282056687 (0xFF3AFFEF)
YUV	194.2730, 22.0504, -119.5114
Hunter-Lab	88.6857, -48.3546, -0.7928

Details

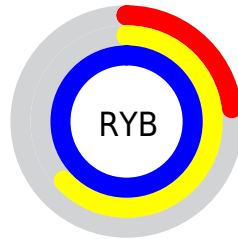
The XYZ color **53.0849, 78.6515, 94.0448** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.9902, 24.7821, 8.9456**, and the grayscale version is **51.3630, 54.0379, 58.8472**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **28.5135, 43.3514, 51.6646** is the 20% darker color. If you saturate the color by 10%, you get **51.6477, 77.9458, 92.3908**, and if you desaturate by 10%, it is **55.2609, 79.7377, 95.7545**.

Distribution



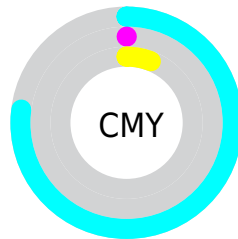
- Red (23%)
- Green (100%)
- Blue (94%)



- Red (23%)
- Yellow (63%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0849, 78.6515, 94.0448 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 53.0849, 78.6515, 94.0448 by changing the saturation by 10% instead.


 53.0849, 78.6515,
94.0448


 53.0849, 78.6515,
94.0448


388.8663,
490.3766, 562.0085


 38.0983, 58.6093,
70.7477


 93.8941, 131.4681,
154.9285

 26.2366, 42.2987,
51.6558


 120.4474,
165.0114, 193.3522

 17.1343, 29.3353,
36.3504


 151.5869,
203.8237, 237.6552

 10.4262, 19.3346,
24.4131

 187.6781,
248.2897, 288.2560

 5.7469, 11.9123,
15.4253

229.0863,
298.7935, 345.5732

 2.7310, 6.6840,
8.9685

276.1768,

 1.0131, 3.2653,

355.7197, 410.0254

4.6241

329.3150,
419.4526, 482.0309

■ 0.0000, 1.2717,
1.9736

■ 0.0000, 0.1192,
0.5390

■ 53.0849, 78.6515,
94.0448

■ 53.0849, 78.6515,
94.0448

■ 51.6477, 77.9458,
92.3908

■ 55.2609, 79.7377,
95.7545

■ 50.8230, 77.5553,
90.7823

■ 58.2678, 81.2519,
97.5201

■ 50.6530, 77.4772,
90.3457

■ 62.1879, 83.2364,
99.3468

■ 67.0926, 85.7281,
101.2381

■ 73.0464, 88.7602,
103.1970

■ 80.1081, 92.3630,
105.2264

■ 88.3322, 96.5646,
107.3288

■ 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.



54.5452, 78.6515, 60.9143



53.0849, 78.6515, 94.0448



56.8830, 78.6515, 134.4551

Triad

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



53.0849, 78.6515, 94.0448



90.2770, 78.6515, 154.6018



84.8048, 78.6515, 36.2244

Complementary

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



53.0849, 78.6515, 94.0448



43.9902, 24.7821, 8.9456

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.



96.0278, 78.6515, 50.3494



53.0849, 78.6515, 94.0448



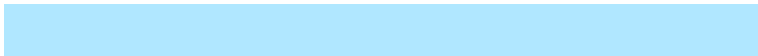
99.4282, 78.6515, 116.2827

Square

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



53.0849, 78.6515, 94.0448



77.6364, 78.6515, 175.2558



101.6433, 78.6515, 77.7480



71.9476, 78.6515, 33.3689

Rectangle

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



53.0849, 78.6515, 94.0448



62.1695, 78.6515, 158.1628



101.6433, 78.6515, 77.7480



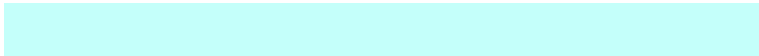
88.9357, 78.6515, 39.5693

Sweetspot

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



53.0860, 78.6521, 94.0463



75.9086, 90.2197, 104.0506



39.3813, 73.2986, 16.0773



15.7240, 19.0437, 22.1156



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.



53.0860, 78.6521, 94.0463



51.1092, 77.6882, 91.4606



34.7244, 37.9774, 100.1079



18.4875, 20.4545, 22.8699



26.4939, 40.4942, 47.3478



2.5977, 3.9500, 4.7053

Inverse Universe

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



43.9902, 24.7821, 8.9456



41.7895, 21.8220, 3.7689



51.3955, 40.3485, 9.0840



18.0692, 18.0110, 18.9818



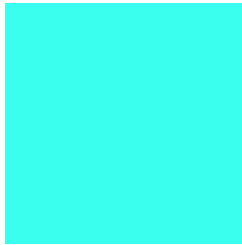
21.6389, 11.1448, 1.4828



2.1265, 1.0930, 0.2476

Previews

White Background



This preview shows how the XYZ color 53.0849, 78.6515, 94.0448 looks on a white background.

Color Contrast Check

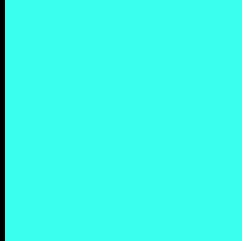
Large Text (above 18pt) WCAG AA × Fail

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 53.0849, 78.6515, 94.0448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

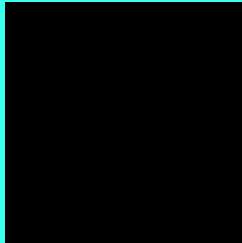
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0849, 78.6515, 94.0448

Background



This preview shows how black text looks on a background with the XYZ color 53.0849, 78.6515, 94.0448.



This preview shows how white text looks on a background with the XYZ color 53.0849, 78.6515,

Color Blindness Simulation

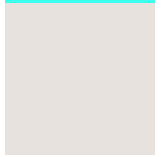
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



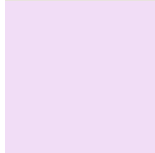
Original Color

53.0849, 78.6515, 94.0448



Protanopia

73.6599, 76.8224, 80.0532



Deuteranopia

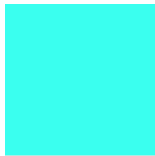
78.7666, 77.0675, 97.9128



Tritanopia

63.9027, 77.9934, 106.2939

Trichromacy



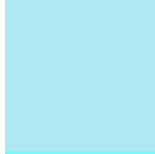
Original Color

53.0849, 78.6515, 94.0448



Protanomaly

60.6500, 74.6048, 84.6024



Deuteranomaly

62.7721, 73.7476, 95.7203



Tritanomaly

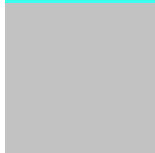
58.3857, 77.4987, 101.5040

Monochromacy



Original Color

53.0849, 78.6515, 94.0448



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

47.8658, 59.7846, 69.9896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0849, 78.6515, 94.0448 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(58, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(58, 255, 239)  
}
```

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(58, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 53.0849, 78.6515, 94.0448 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(58, 255, 239) }
```


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

```
.border{ border-color:rgb(58, 255, 239) }
```

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

Here you see how a box with a 4 pixel rgb(58, 255, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0849, 78.6515, 94.0448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 239) }
```

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

```
.background{ background-color: rgb(58, 255,  
239) }
```

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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