

Converting Colors

XYZ(53.3387, 77.4804, 99.2919)

Have a look what the booklet for
XYZ(53.3387, 77.4804, 99.2919)
contains.

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Color

**XYZ(53.1899, 77.1742,
99.2815)**

Conversions

Conversions Part 1

Format	Color
Hex	3AFCF6
RGB	58, 252, 246
RGB Percent	23%, 99%, 96%
CMY	0.7725, 0.0117, 0.0353
CMYK	0.77, 0.00, 0.02, 0.01
HSL	178°, 97%, 61%
HSV	178°, 77%, 99%
XYZ	53.1899, 77.1742, 99.2815
YIQ	193.3100, -113.6980, -42.9940

Conversions

Conversions Part 2

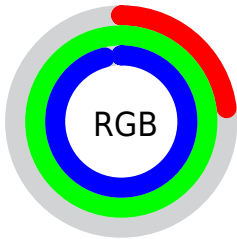
Format	Color
RYB	58, 157, 252
Decimal	3865846
CIELab	90.40, -46.59, -10.49
CIELCh	90, 47.759, 192.686
Yxy	77.1742, 0.2316, 0.3361
Android (android.graphics.Color)	4282055926 (0xFF3AFCF6)
YUV	193.3100, 25.9762, -118.6669
Hunter-Lab	87.8488, -45.6590, -5.5118

Details

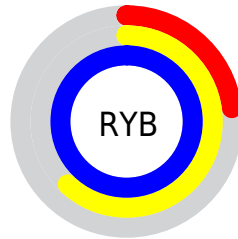
The XYZ color **53.1899, 77.1742, 99.2815** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.5860, 24.0941, 7.2591**, and the grayscale version is **50.7743, 53.4185, 58.1728**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **28.8094, 42.7479, 55.4480** is the 20% darker color. If you saturate the color by 10%, you get **51.9482, 76.5496, 98.6016**, and if you desaturate by 10%, it is **55.1527, 78.1739, 100.0012**.

Distribution



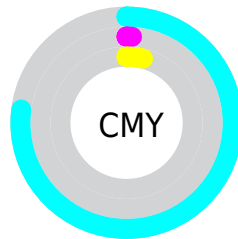
- Red (23%)
- Green (99%)
- Blue (96%)



- Red (23%)
- Yellow (62%)
- Blue (99%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (77%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1899, 77.1742, 99.2815 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 53.1899, 77.1742, 99.2815 by changing the saturation by 10% instead.


 53.1899, 77.1742,
99.2815


 53.1899, 77.1742,
99.2815


389.2622,
485.3578, 579.1136


 38.1825, 57.3959,
75.0871


 94.0476, 129.3854,
162.2127


 26.3022, 41.3231,
55.1821


 120.6286,
162.5870, 201.7866

 17.1837, 28.5717,
39.1479


 151.7982,
201.0318, 247.3240

 10.4617, 18.7570,
26.5661

 187.9217,
245.1042, 299.2436

 5.7707, 11.4949,
17.0181

229.3645,
295.1886, 357.9638

 2.7455, 6.4007,
10.0853

276.4920,

 1.0207, 3.0902,

351.6694, 423.9031

5.3492

329.6694,
414.9310, 497.4802

■ 0.0000, 1.1790,
2.3913

■ 0.0000, 0.0445,
0.7817

■ 53.1899, 77.1742,
99.2815

■ 53.1899, 77.1742,
99.2815

■ 51.9482, 76.5496,
98.6016

■ 55.1527, 78.1739,
100.0012


■ 51.3033, 76.2309,
97.9506


■ 57.9219, 79.5876,
100.7595

■ 51.1722, 76.1674,
97.7574


■ 61.5783, 81.4585,
101.5620


■ 66.1910, 83.8224,
102.4119

 71.8225, 86.7115,
103.3121

 78.5298, 90.1551,
104.2652

 86.3657, 94.1804,
105.2738

 93.6602, 97.9266,
106.2598

 93.7843, 97.9762,
106.9128

Harmonies

Analogous

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



53.5774, 77.1742, 65.9720



53.1899, 77.1742, 99.2815



57.7634, 77.1742, 136.8397

Triad

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



53.1899, 77.1742, 99.2815



90.0107, 77.1742, 142.0931



80.3853, 77.1742, 35.6571

Complementary

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



53.1899, 77.1742, 99.2815



42.5860, 24.0941, 7.2591

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.



91.5190, 77.1742, 46.9264



53.1899, 77.1742, 99.2815



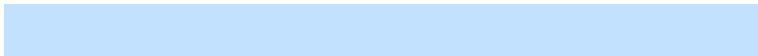
97.4760, 77.1742, 105.1139

Square

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



53.1899, 77.1742, 99.2815



78.5001, 77.1742, 165.6945



98.0561, 77.1742, 70.4256



68.4336, 77.1742, 34.8881

Rectangle

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



53.1899, 77.1742, 99.2815



63.3309, 77.1742, 156.8688



98.0561, 77.1742, 70.4256



84.3775, 77.1742, 38.1665

Sweetspot

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



53.1922, 77.1771, 99.2833



76.3753, 90.4064, 106.5082



37.7215, 71.0350, 15.7280



15.8393, 19.0898, 22.7226



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.



53.1922, 77.1771, 99.2833



52.9599, 78.4342, 100.9448



32.1452, 33.5848, 96.8869



17.7413, 19.5988, 22.1040



26.6660, 39.6794, 50.9777



2.4768, 3.6778, 4.7588

Inverse Universe

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



42.5860, 24.0941, 7.2591



41.7028, 21.8568, 3.0981



51.5857, 42.3524, 9.4610



17.2664, 17.2339, 17.9925



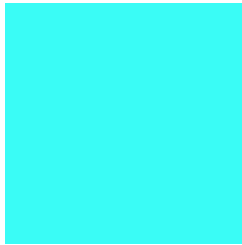
20.9439, 10.7933, 1.1471



1.9472, 1.0026, 0.1453

Previews

White Background



This preview shows how the XYZ color 53.1899, 77.1742, 99.2815 looks on a white background.

Color Contrast Check

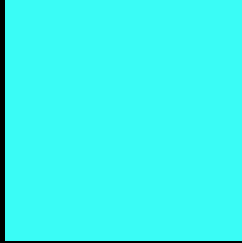
Large Text (above 18pt) WCAG AA × Fail

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 53.1899, 77.1742, 99.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

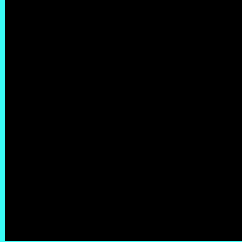
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1899, 77.1742, 99.2815

Background



This preview shows how black text looks on a background with the XYZ color 53.1899, 77.1742, 99.2815.



This preview shows how white text looks on a background with the XYZ color 53.1899, 77.1742,

Color Blindness Simulation

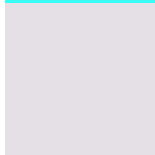
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



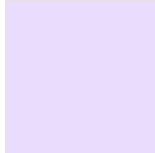
Original Color

53.1899, 77.1742, 99.2815



Protanopia

72.7934, 75.4624, 84.8578



Deuteranopia

77.2545, 75.7707, 103.4820



Tritanopia

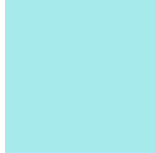
61.7180, 76.4265, 106.1066

Trichromacy



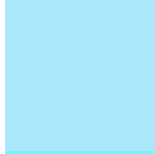
Original Color

53.1899, 77.1742, 99.2815



Protanomaly

60.1441, 72.9508, 89.5082



Deuteranomaly

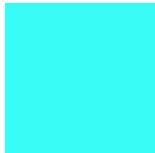
62.6895, 73.1614, 101.2600



Tritanomaly

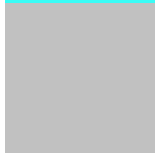
57.2933, 75.9779, 103.7410

Monochromacy



Original Color

53.1899, 77.1742, 99.2815



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

47.4318, 58.7759, 71.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1899, 77.1742, 99.2815 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, 252, 246)` looks like.

```
.text, #text, p{  
    color:rgb(58, 252, 246)  
}
```

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, 252, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 252, 246) }
```

Border

The CSS property to change the border of an element to XYZ 53.1899, 77.1742, 99.2815 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, 252, 246) }
```


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

```
.border{ border-color:rgb(58, 252, 246) }
```

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

Here you see how a box with a 4 pixel rgb(58, 252, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 252, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 252, 246);  
box-shadow:4px 4px 4px 4px rgb(58, 252,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1899, 77.1742, 99.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 252, 246) }
```

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

```
.background{ background-color: rgb(58, 252,  
246) }
```

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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