

Converting Colors

XYZ(39.6532, 53.0358, 88.0517)

Have a look what the booklet for
XYZ(39.6532, 53.0358, 88.0517)
contains.

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Color

**XYZ(39.5993, 52.8606,
88.2368)**

Conversions

Conversions Part 1

Format	Color
Hex	31D2ED
RGB	49, 210, 237
RGB Percent	19%, 82%, 93%
CMY	0.8078, 0.1765, 0.0706
CMYK	0.79, 0.11, 0.00, 0.07
HSL	189°, 84%, 56%
HSV	189°, 79%, 93%
XYZ	39.5993, 52.8606, 88.2368
YIQ	164.9390, -104.6230, -25.7350

Conversions

Conversions Part 2

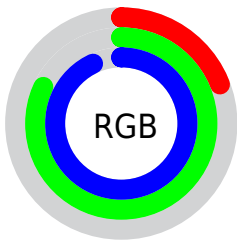
Format	Color
<code>RYB</code>	<code>49, 136, 237</code>
Decimal	<code>3265261</code>
CIELab	<code>77.79, -30.84, -24.75</code>
CIELCh	<code>78, 39.544, 218.751</code>
Yxy	<code>52.8606, 0.2191, 0.2925</code>
Android (<code>android.graphics.Color</code>)	<code>4281455341 (0xFF31D2ED)</code>
YUV	<code>164.9390, 35.5261, -101.6785</code>
Hunter-Lab	<code>72.7053, -30.0134, -21.0620</code>

Details

The XYZ color **39.5993, 52.8606, 88.2368** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.0657, 23.3976, 5.4175**, and the grayscale version is **35.6090, 37.4634, 40.7977**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **20.0618, 26.7789, 47.8275** is the 20% darker color. If you saturate the color by 10%, you get **37.9108, 50.7568, 87.9207**, and if you desaturate by 10%, it is **41.9092, 55.3133, 88.5895**.

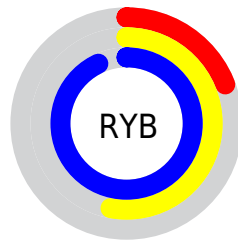
Distribution



Red (19%)

Green (82%)

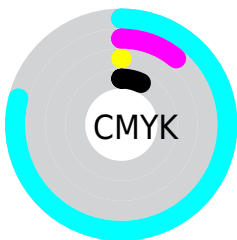
Blue (93%)



Red (19%)

Yellow (53%)

Blue (93%)

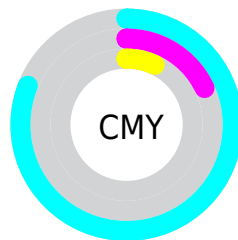


Cyan (79%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (81%)


Magenta (18%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5993, 52.8606, 88.2368 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 39.5993, 52.8606, 88.2368 by changing the saturation by 10% instead.


 39.5993, 52.8606,
88.2368


 39.5993, 52.8606,
88.2368


335.5952,
397.7501, 542.6998

 27.4091, 37.6915,
65.9537


 73.8412, 94.3992,
146.8008


 18.0189, 25.7433,
47.7786


 96.6236, 121.5375,
183.9189

 11.0633, 16.6317,
33.2929


 123.6674,
153.4343, 226.8190

 6.1770, 9.9723,
22.0779

 155.3379,
190.4741, 275.9198

 2.9947, 5.3806,
13.7153

192.0007,
233.0411, 331.6397

 1.1510, 2.4722,
7.7864

234.0209,

 0.0671, 0.8627,

281.5199, 394.3973

3.8728

281.7640,
336.2947, 464.6111

■ 0.0000, 0.0000,
1.5558

■ 0.0000, 0.0000,
0.2590

■ 39.5993, 52.8606,
88.2368

■ 39.5993, 52.8606,
88.2368

■ 37.9108, 50.7568,
87.9207

■ 41.9092, 55.3133,
88.5895

■ 36.7086, 48.9291,
87.6313

■ 44.9182, 58.1521,
88.9788

■ 36.6335, 48.8089,
87.6121

■ 48.6978, 61.4150,
89.4094

■ 53.3091, 65.1337,
89.8842

■ 58.8073, 69.3367,
90.4056

■ 65.2424, 74.0501,
90.9763

■ 72.6608, 79.2978,
91.5982

■ 81.1058, 85.1025,
92.2735

■ 87.8743, 90.0706,
92.8757

Harmonies

Analogous

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



37.0341, 52.8606, 64.2217



39.5993, 52.8606, 88.2368



45.0862, 52.8606, 106.5591

Triad

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



39.5993, 52.8606, 88.2368



65.2740, 52.8606, 74.2555



48.0327, 52.8606, 25.0978

Complementary

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



39.5993, 52.8606, 88.2368



38.0657, 23.3976, 5.4175

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.



55.7774, 52.8606, 26.4910



39.5993, 52.8606, 88.2368



66.2681, 52.8606, 51.3686

Square

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



39.5993, 52.8606, 88.2368



60.0472, 52.8606, 97.1644



62.6397, 52.8606, 34.9661



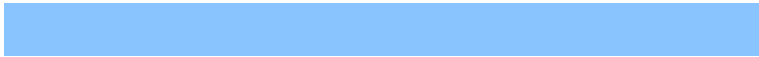
41.5677, 52.8606, 30.5077

Rectangle

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



39.5993, 52.8606, 88.2368



49.9216, 52.8606, 110.9308



62.6397, 52.8606, 34.9661



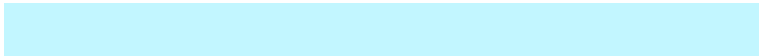
50.5646, 52.8606, 24.8220

Sweetspot

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



39.6010, 52.8625, 88.2381



73.2666, 84.7025, 107.0954



32.7908, 61.7181, 16.6775



15.1140, 17.7111, 22.8719



0.0000, 0.0000, 0.0000



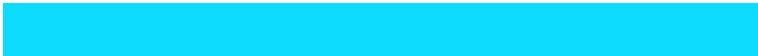
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6010, 52.8625, 88.2381



43.8601, 58.5993, 103.6069



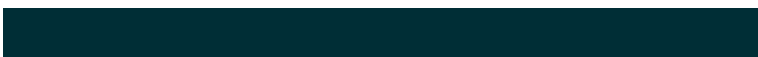
23.0256, 19.7117, 82.7130



15.3226, 16.7316, 19.3442



20.0749, 26.7968, 47.8572



1.6268, 2.2051, 3.7748

Inverse Universe

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



47.6577, 24.8561, 63.2605



54.3266, 26.7198, 70.1487



49.4965, 46.2591, 9.2277



15.6164, 15.2744, 18.5311



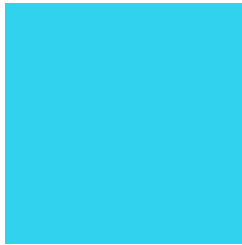
24.9882, 12.1980, 32.0687



1.9876, 0.9680, 2.6523

Previews

White Background



This preview shows how the XYZ color 39.5993, 52.8606, 88.2368 looks on a white background.

Color Contrast Check

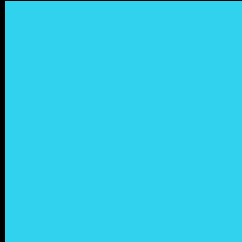
Large Text (above 18pt) WCAG AA × Fail

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 39.5993, 52.8606, 88.2368 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 39.5993, 52.8606, 88.2368

Background



This preview shows how black text looks on a background with the XYZ color 39.5993, 52.8606, 88.2368.



This preview shows how white text looks on a background with the XYZ color 39.5993, 52.8606,

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

39.5993, 52.8606, 88.2368

Protanopia

51.2840, 51.9133, 77.1293

Deuteranopia

53.0887, 51.8965, 91.2234



Tritanopia

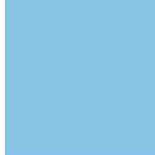
38.3122, 52.6968, 82.2810

Trichromacy



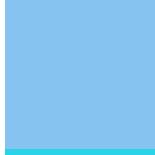
Original Color

39.5993, 52.8606, 88.2368



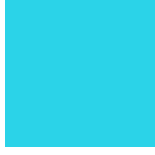
Protanomaly

43.9615, 50.6848, 80.8649



Deuteranomaly

45.0748, 50.3898, 89.7886



Tritanomaly

38.8560, 52.9283, 84.5122

Monochromacy



Original Color

39.5993, 52.8606, 88.2368



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.0962, 41.0203, 55.4109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5993, 52.8606, 88.2368 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(49, 210, 237)` looks like.

```
.text, #text, p{  
    color:rgb(49, 210, 237)  
}
```

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(49, 210, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 210, 237) }
```

Border

The CSS property to change the border of an element to XYZ 39.5993, 52.8606, 88.2368 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(49, 210, 237) }
```


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

```
.border{ border-color:rgb(49, 210, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 210, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 210, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 210, 237);  
box-shadow:4px 4px 4px 4px rgb(49, 210,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5993, 52.8606, 88.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 210, 237) }
```

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

```
.background{ background-color: rgb(49, 210,  
237) }
```

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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