

Converting Colors

XYZ(39.7519, 52.0772, 77.7688)

Have a look what the booklet for
XYZ(39.7519, 52.0772, 77.7688)
contains.

XYZ(39.7519, 52.0772, 77.7688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.7519, 52.0772,
77.7688)**

Conversions

Conversions Part 1

Format	Color
Hex	59CFDF
RGB	89, 207, 223
RGB Percent	35%, 81%, 87%
CMY	0.6510, 0.1882, 0.1255
CMYK	0.60, 0.07, 0.00, 0.13
HSL	187°, 68%, 61%
HSV	187°, 60%, 87%
XYZ	39.7519, 52.0772, 77.7688
YIQ	173.5420, -75.4640, -20.0400

Conversions

Conversions Part 2

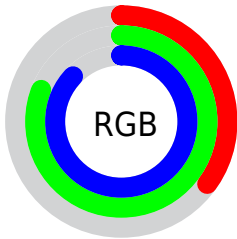
Format	Color
R_{YB}	89, 152, 223
Decimal	5885919
CIE _{Lab}	77.33, -28.35, -17.87
CIE _{LCh}	77, 33.514, 212.219
Yxy	52.0772, 0.2344, 0.3071
Android (android.graphics.Color)	4284075999 (0xFF59CFDF)
YUV	173.5420, 24.3828, -74.1433
Hunter-Lab	72.1645, -27.9610, -13.3793

Details

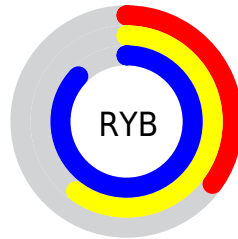
The XYZ color **39.7519, 52.0772, 77.7688** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.2874, 26.5137, 12.6050**, and the grayscale version is **39.9058, 41.9840, 45.7206**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **18.2961, 25.2836, 40.9617** is the 20% darker color. If you saturate the color by 10%, you get **37.2881, 49.8586, 77.4714**, and if you desaturate by 10%, it is **42.8778, 54.6555, 78.1027**.

Distribution



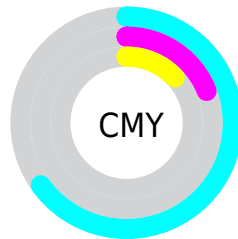
- Red (35%)
- Green (81%)
- Blue (87%)



- Red (35%)
- Yellow (60%)
- Blue (87%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (65%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7519, 52.0772, 77.7688 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 39.7519, 52.0772, 77.7688 by changing the saturation by 10% instead.

■ 39.7519, 52.0772,
77.7688

■ 39.7519, 52.0772,
77.7688

336.2291,
394.7346, 506.8884

■ 27.5285, 37.0666,
57.3688

■ 74.0723, 93.2451,
132.0071

■ 18.1092, 25.2591,
40.8900

■ 96.9000, 120.1712,
166.6823

■ 11.1286, 16.2702,
27.9141

■ 123.9933,
151.8379, 206.9531

■ 6.2213, 9.7155,
18.0225

■ 155.7173,
188.6296, 253.2379

■ 3.0220, 5.2108,
10.7965

192.4376,
230.9307, 305.9553

■ 1.1654, 2.3714,
5.8177

234.5194,

■ 0.0788, 0.8111,

279.1257, 365.5239

2.6676

282.3281,
333.5988, 432.3620

■ 0.0000, 0.0000,
0.9270

■ 0.0000, 0.0000,
0.0000

■ 39.7519, 52.0772,
77.7688

■ 39.7519, 52.0772,
77.7688

■ 37.2881, 49.8586,
77.4714

■ 42.8778, 54.6555,
78.1027

■ 35.4208, 47.9625,
77.2038


■ 46.7140, 57.6151,
78.4717


■ 34.0797, 46.3536,
76.9640


■ 51.3098, 60.9826,
78.8795


■ 33.1444, 44.9776,
76.7477

■ 56.7087, 64.7804,
79.3280

 62.9507, 69.0294,
79.8191

 70.0734, 73.7489,
80.3547

 78.1119, 78.9571,
80.9363

 82.3864, 82.2416,
81.3450

 83.1258, 83.7204,
81.5915

Harmonies

Analogous

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



38.1364, 52.0772, 58.0864



39.7519, 52.0772, 77.7688



43.9527, 52.0772, 94.1811

Triad

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



39.7519, 52.0772, 77.7688



61.2698, 52.0772, 74.8719



49.0203, 52.0772, 28.1565

Complementary

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



39.7519, 52.0772, 77.7688



37.2874, 26.5137, 12.6050

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.



55.4907, 52.0772, 30.7780



39.7519, 52.0772, 77.7688



62.9175, 52.0772, 55.3422

Square

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



39.7519, 52.0772, 77.7688



56.3911, 52.0772, 92.2699



60.7191, 52.0772, 39.8331



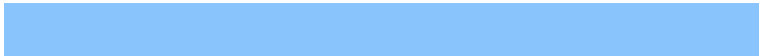
43.1905, 52.0772, 31.7001

Rectangle

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



39.7519, 52.0772, 77.7688



47.8418, 52.0772, 99.5501



60.7191, 52.0772, 39.8331



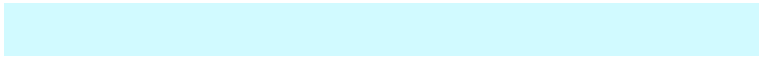
51.1916, 52.0772, 28.3448

Sweetspot

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



39.7535, 52.0792, 77.7700



78.4094, 88.8631, 107.6274



33.0398, 55.9128, 22.3185



16.2849, 18.6766, 22.9966



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.



39.7535, 52.0792, 77.7700



49.8393, 66.8975, 104.8934



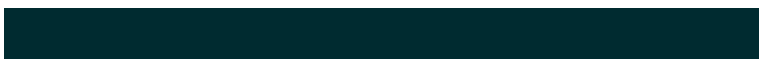
26.8724, 26.3168, 73.4763



13.9696, 15.2783, 17.6004



19.5433, 26.5562, 45.1442



1.3946, 1.9207, 3.1425

Inverse Universe

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



45.2676, 27.3392, 61.9247



58.2381, 31.7052, 80.2004



46.9188, 45.7765, 15.8155



14.2209, 13.9060, 16.9333



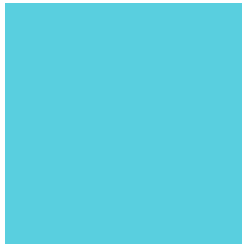
23.8048, 11.5889, 31.9673



1.6702, 0.8113, 2.3220

Previews

White Background



This preview shows how the XYZ color 39.7519, 52.0772, 77.7688 looks on a white background.

Color Contrast Check

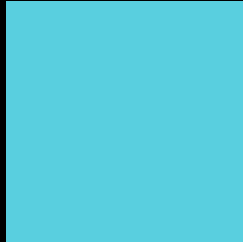
Large Text (above 18pt) WCAG AA × Fail

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 39.7519, 52.0772, 77.7688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

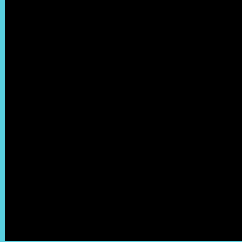
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7519, 52.0772, 77.7688

Background



This preview shows how black text looks on a background with the XYZ color 39.7519, 52.0772, 77.7688.



This preview shows how white text looks on a background with the XYZ color 39.7519, 52.0772,

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

39.7519, 52.0772, 77.7688

Protanopia

50.2346, 51.2344, 68.8696

Deuteranopia

52.3388, 51.1182, 80.5070



Tritanopia

39.8872, 52.1313, 78.4811

Trichromacy



Original Color

39.7519, 52.0772, 77.7688



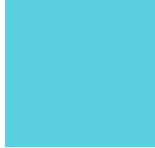
Protanomaly

44.5433, 50.5158, 71.6928



Deuteranomaly

45.9343, 50.4032, 79.2593



Tritanomaly

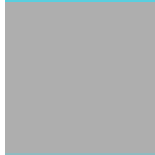
39.8872, 52.1313, 78.4811

Monochromacy



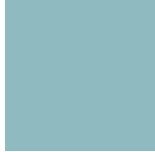
Original Color

39.7519, 52.0772, 77.7688



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.4010, 44.7632, 56.4854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7519, 52.0772, 77.7688 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(89, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(89, 207, 223)  
}
```

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(89, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 207, 223) }
```

Border

The CSS property to change the border of an element to XYZ 39.7519, 52.0772, 77.7688 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(89, 207, 223) }
```


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

```
.border{ border-color:rgb(89, 207, 223) }
```

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

Here you see how a box with a 4 pixel rgb(89, 207, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(89, 207,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7519, 52.0772, 77.7688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 207, 223) }
```

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

```
.background{ background-color: rgb(89, 207,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor