

Converting Colors

XYZ(39.5533, 52.7921, 75.3303)

Have a look what the booklet for
XYZ(39.5533, 52.7921, 75.3303)
contains.

XYZ(39.5171, 52.7416, 75.1152)	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(39.5171, 52.7416,
75.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	57D1DB
RGB	87, 209, 219
RGB Percent	34%, 82%, 86%
CMY	0.6588, 0.1804, 0.1412
CMYK	0.60, 0.05, 0.00, 0.14
HSL	185°, 65%, 60%
HSV	185°, 60%, 86%
XYZ	39.5171, 52.7416, 75.1152
YIQ	173.6620, -75.9220, -22.7540

Conversions

Conversions Part 2

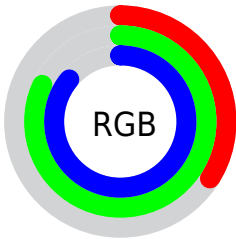
Format	Color
RYB	87, 150, 219
Decimal	5755355
CIELab	77.72, -30.79, -15.13
CIELCh	78, 34.311, 206.166
Yxy	52.7416, 0.2361, 0.3151
Android (android.graphics.Color)	4283945435 (0xFF57D1DB)
YUV	173.6620, 22.3516, -76.0026
Hunter-Lab	72.6234, -29.9625, -10.4879

Details

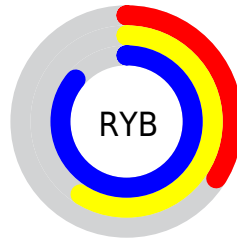
The XYZ color **39.5171, 52.7416, 75.1152** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.2096, 24.2988, 11.8527**, and the grayscale version is **39.9774, 42.0593, 45.8026**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **18.2564, 25.7915, 39.1380** is the 20% darker color. If you saturate the color by 10%, you get **37.3697, 51.0347, 74.8999**, and if you desaturate by 10%, it is **42.2920, 54.7806, 75.3635**.

Distribution



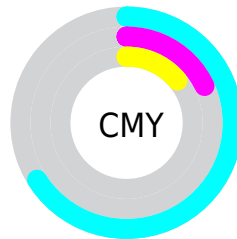
- Red (34%)
- Green (82%)
- Blue (86%)



- Red (34%)
- Yellow (59%)
- Blue (86%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (66%)
- Magenta (18%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5171, 52.7416, 75.1152 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 39.5171, 52.7416, 75.1152 by changing the saturation by 10% instead.

■ 39.5171, 52.7416,
75.1152

■ 39.5171, 52.7416,
75.1152

335.2534,
397.2930, 497.5794

■ 27.3448, 37.5965,
55.2050

■ 73.7166, 94.2240,
128.2240

■ 17.9702, 25.6697,
39.1661

■ 96.4745, 121.3302,
162.2597

■ 11.0282, 16.5767,
26.5802

■ 123.4917,
153.1921, 201.8409

■ 6.1532, 9.9332,
17.0285

■ 155.1334,
190.1943, 247.3863

■ 2.9800, 5.3547,
10.0927

191.7651,
232.7211, 299.3142

■ 1.1432, 2.4568,
5.3540

233.7521,

■ 0.0608, 0.8549,

281.1568, 358.0434

2.3941

281.4598,
335.8860, 423.9923

■ 0.0000, 0.0000,
0.7832

■ 0.0000, 0.0000,
0.0000

■ 39.5171, 52.7416,
75.1152

■ 39.5171, 52.7416,
75.1152

■ 37.3697, 51.0347,
74.8999

■ 42.2920, 54.7806,
75.3635

■ 35.7870, 49.6239,
74.7110


■ 45.7404, 57.1720,
75.6433


■ 34.7013, 48.4757,
74.5466


■ 49.9095, 59.9413,
75.9581


■ 34.0038, 47.5495,
74.4046


■ 54.8409, 63.1099,
76.3098

 60.5732, 66.6977,
76.7002

 67.1420, 70.7232,
77.1310

 74.5811, 75.2037,
77.6037

 80.2205, 78.7629,
77.9935

 80.6640, 79.6499,
78.1413

Harmonies

Analogous

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



38.4345, 52.7416, 55.0152



39.5171, 52.7416, 75.1152



43.3486, 52.7416, 93.4867

Triad

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



39.5171, 52.7416, 75.1152



61.5053, 52.7416, 80.2970



50.9882, 52.7416, 28.1144

Complementary

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



39.5171, 52.7416, 75.1152



35.2096, 24.2988, 11.8527

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.



57.5827, 52.7416, 32.0851



39.5171, 52.7416, 75.1152



63.9841, 52.7416, 59.9075

Square

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



39.5171, 52.7416, 75.1152



55.9754, 52.7416, 96.9126



62.4893, 52.7416, 42.7589



44.7051, 52.7416, 30.4543

Rectangle

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



39.5171, 52.7416, 75.1152



47.1368, 52.7416, 100.7724



62.4893, 52.7416, 42.7589



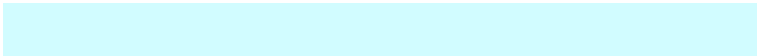
53.2459, 52.7416, 28.7271

Sweetspot

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



39.5187, 52.7436, 75.1165



79.0337, 90.1116, 107.8355



31.3654, 53.5313, 19.6991



16.4396, 18.9859, 23.0481



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.



39.5187, 52.7436, 75.1165



52.1607, 71.5403, 105.6672



26.7217, 27.1496, 70.8508



13.3561, 14.6519, 16.7763



20.1985, 28.2664, 44.1298



1.3342, 1.8826, 2.8675

Inverse Universe

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



44.1316, 26.4814, 63.1091



59.4098, 32.1739, 86.3707



43.8202, 41.5201, 14.7229



13.5696, 13.2569, 16.2607



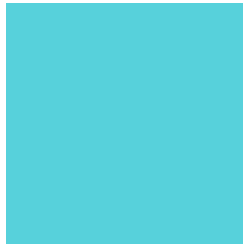
23.6906, 11.4773, 34.3463



1.5477, 0.7487, 2.2934

Previews

White Background



This preview shows how the XYZ color 39.5171, 52.7416, 75.1152 looks on a white background.

Color Contrast Check

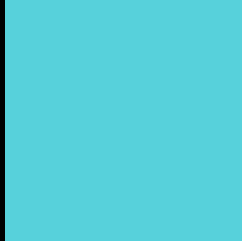
Large Text (above 18pt) WCAG AA × Fail

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 39.5171, 52.7416, 75.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

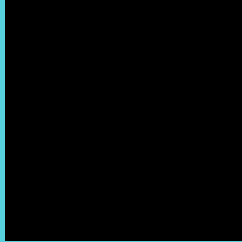
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5171, 52.7416, 75.1152

Background



This preview shows how black text looks on a background with the XYZ color 39.5171, 52.7416, 75.1152.

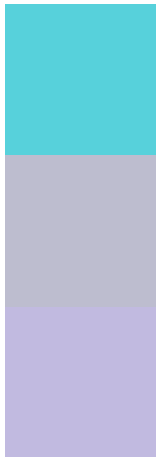


This preview shows how white text looks on a background with the XYZ color 39.5171, 52.7416,

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

39.5171, 52.7416, 75.1152

Protanopia

50.4463, 51.7190, 66.3554

Deuteranopia

53.0058, 51.8371, 77.7329



Tritanopia

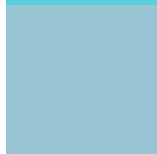
40.3629, 52.7217, 79.2831

Trichromacy



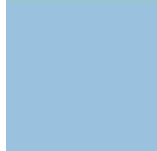
Original Color

39.5171, 52.7416, 75.1152



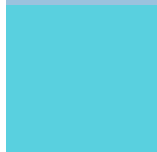
Protanomaly

44.4467, 50.8584, 69.1021



Deuteranomaly

45.8030, 50.7275, 76.4846



Tritanomaly

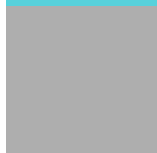
39.9950, 52.5633, 77.8498

Monochromacy



Original Color

39.5171, 52.7416, 75.1152



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2199, 45.0091, 55.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5171, 52.7416, 75.1152 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(87, 209, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 209, 219)  
}
```

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(87, 209, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 209, 219) }
```

Border

The CSS property to change the border of an element to XYZ 39.5171, 52.7416, 75.1152 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(87, 209, 219) }
```


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

```
.border{ border-color:rgb(87, 209, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 209, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 209, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 209, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 209,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5171, 52.7416, 75.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 209, 219) }
```

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

```
.background{ background-color: rgb(87, 209,  
219) }
```

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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