

Converting Colors

XYZ(38.7212, 51.5817, 75.1405)

Have a look what the booklet for
XYZ(38.7212, 51.5817, 75.1405)
contains.

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Color

**XYZ(38.6663, 51.5791,
74.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	53CFDB
RGB	83, 207, 219
RGB Percent	33%, 81%, 86%
CMY	0.6745, 0.1882, 0.1412
CMYK	0.62, 0.05, 0.00, 0.14
HSL	185°, 65%, 59%
HSV	185°, 62%, 86%
XYZ	38.6663, 51.5791, 74.9357
YIQ	171.2920, -77.7560, -22.5560

Conversions

Conversions Part 2

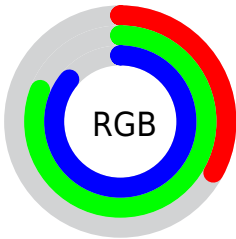
Format	Color
RYB	83, 148, 219
Decimal	5492699
CIELab	77.03, -30.50, -16.19
CIELCh	77, 34.530, 207.952
Yxy	51.5791, 0.2341, 0.3123
Android (android.graphics.Color)	4283682779 (0xFF53CFDB)
YUV	171.2920, 23.5200, -77.4321
Hunter-Lab	71.8186, -29.5802, -11.5903

Details

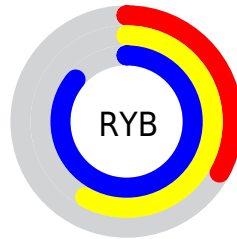
The XYZ color **38.6663, 51.5791, 74.9357** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.8682, 23.8704, 10.9549**, and the grayscale version is **38.7706, 40.7897, 44.4200**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **17.9291, 25.1368, 39.0289** is the 20% darker color. If you saturate the color by 10%, you get **36.5657, 49.8066, 74.7052**, and if you desaturate by 10%, it is **41.3858, 53.6814, 75.1991**.

Distribution



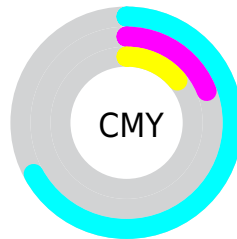
- Red (33%)
- Green (81%)
- Blue (86%)



- Red (33%)
- Yellow (58%)
- Blue (86%)



- Cyan (62%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (67%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6663, 51.5791, 74.9357 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 38.6663, 51.5791, 74.9357 by changing the saturation by 10% instead.

■ 38.6663, 51.5791,
74.9357

■ 38.6663, 51.5791,
74.9357

331.7013,
392.8095, 496.9461

■ 26.6798, 36.6697,
55.0588

■ 72.4256, 92.5102,
127.9676

■ 17.4682, 24.9519,
39.0499

■ 94.9291, 119.3007,
161.9597

■ 10.6662, 16.0412,
26.4904

■ 121.6690,
150.8203, 201.4939

■ 5.9085, 9.5533,
16.9618

■ 153.0106,
187.4535, 246.9888

■ 2.8297, 5.1038,
10.0456

189.3192,
229.5846, 298.8629

■ 1.0643, 2.3083,
5.3232

230.9603,

■ 0.0000, 0.7781,

277.5981, 357.5348

2.3761

278.2992,
331.8782, 423.4230

■ 0.0000, 0.0000,
0.7734

■ 0.0000, 0.0000,
0.0000

■ 38.6663, 51.5791,
74.9357

■ 38.6663, 51.5791,
74.9357

■ 36.5657, 49.8066,
74.7052

■ 41.3858, 53.6814,
75.1991

■ 35.0197, 48.3274,
74.5012

■ 44.7715, 56.1345,
75.4942

■ 33.9579, 47.1062,
74.3215

■ 48.8715, 58.9644,
75.8243

■ 33.3665, 46.2748,
74.1921

■ 53.7279, 62.1929,
76.1915

■ 59.3799, 65.8402,
76.5976

■ 65.8636, 69.9248,
77.0443

■ 73.2131, 74.4645,
77.5331

■ 80.2701, 78.8621,
78.0100

■ 80.7877, 79.8972,
78.1825

Harmonies

Analogous

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



37.4255, 51.5791, 54.8745



38.6663, 51.5791, 74.9357



42.6063, 51.5791, 92.8559

Triad

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



38.6663, 51.5791, 74.9357



60.5619, 51.5791, 77.6902



49.4784, 51.5791, 27.1519

Complementary

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



38.6663, 51.5791, 74.9357



34.8682, 23.8704, 10.9549

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.



56.0566, 51.5791, 30.6858



38.6663, 51.5791, 74.9357



62.8018, 51.5791, 57.4672

Square

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



38.6663, 51.5791, 74.9357



55.2037, 51.5791, 94.6804



61.0845, 51.5791, 40.8173



43.3243, 51.5791, 29.8275

Rectangle

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



38.6663, 51.5791, 74.9357



46.4280, 51.5791, 99.6260



61.0845, 51.5791, 40.8173



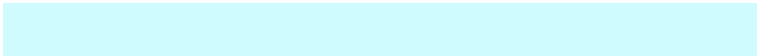
51.7158, 51.5791, 27.6326

Sweetspot

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



38.6679, 51.5810, 74.9369



78.0680, 89.2436, 107.7189



30.9355, 53.3174, 19.3308



16.2419, 18.7969, 23.0221



0.0000, 0.0000, 0.0000



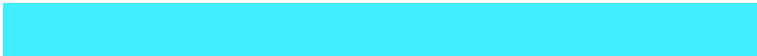
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6679, 51.5810, 74.9369



50.7595, 69.5244, 105.3520



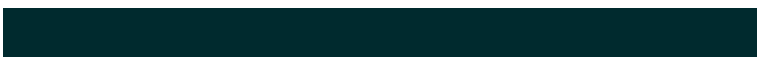
25.6845, 25.6143, 70.6091



13.3415, 14.6228, 16.7714



19.8258, 27.5210, 44.0056



1.3138, 1.8418, 2.8607

Inverse Universe

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



43.5705, 25.7531, 61.7079



58.5106, 31.0791, 83.9015



43.7553, 41.6446, 13.9172



13.5623, 13.2540, 16.2220



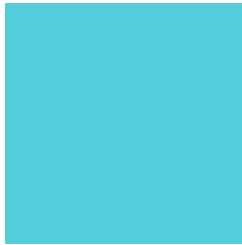
23.5025, 11.4020, 33.3556



1.5375, 0.7446, 2.2392

Previews

White Background



This preview shows how the XYZ color 38.6663, 51.5791, 74.9357 looks on a white background.

Color Contrast Check

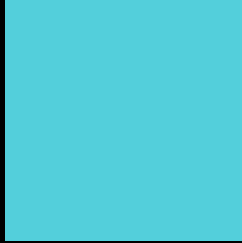
Large Text (above 18pt) WCAG AA × Fail

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 38.6663, 51.5791, 74.9357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

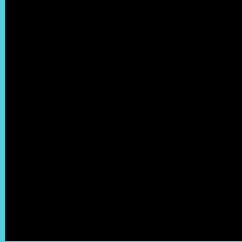
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6663, 51.5791, 74.9357

Background



This preview shows how black text looks on a background with the XYZ color 38.6663, 51.5791, 74.9357.



This preview shows how white text looks on a background with the XYZ color 38.6663, 51.5791,

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

38.6663, 51.5791, 74.9357

Protanopia

49.7392, 51.0362, 66.2609

Deuteranopia

51.8302, 50.6099, 77.5580



Tritanopia

39.1369, 51.4016, 77.6708

Trichromacy



Original Color

38.6663, 51.5791, 74.9357



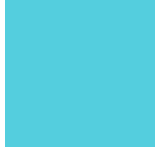
Protanomaly

43.6674, 50.1229, 69.0012



Deuteranomaly

44.7970, 49.5525, 76.3108



Tritanomaly

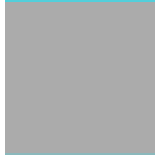
38.9123, 51.3014, 76.9585

Monochromacy



Original Color

38.6663, 51.5791, 74.9357



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.8651, 43.4008, 54.0111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6663, 51.5791, 74.9357 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(83, 207, 219)` looks like.

```
.text, #text, p{  
    color:rgb(83, 207, 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(83, 207, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.6663, 51.5791, 74.9357 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(83, 207, 219) }
```


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

```
.border{ border-color:rgb(83, 207, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 207, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 219);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6663, 51.5791, 74.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 219) }
```

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

```
.background{ background-color: rgb(83, 207,  
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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