

Converting Colors

XYZ(38.9218, 54.0696, 83.7766)

Have a look what the booklet for
XYZ(38.9218, 54.0696, 83.7766)
contains.

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Color

**XYZ(38.9771, 54.1239,
83.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	1DD6E7
RGB	29, 214, 231
RGB Percent	11%, 84%, 91%
CMY	0.8862, 0.1608, 0.0941
CMYK	0.87, 0.07, 0.00, 0.09
HSL	185°, 81%, 51%
HSV	185°, 87%, 91%
XYZ	38.9771, 54.1239, 83.9940
YIQ	160.6230, -115.7170, -33.9330

Conversions

Conversions Part 2

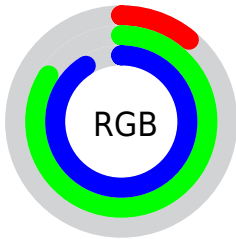
Format	Color
RYB	29, 126, 231
Decimal	1955559
CIELab	78.53, -36.00, -20.44
CIELCh	79, 41.397, 209.581
Yxy	54.1239, 0.2201, 0.3056
Android (android.graphics.Color)	4280145639 (0xFF1DD6E7)
YUV	160.6230, 34.6959, -115.4334
Hunter-Lab	73.5689, -34.1757, -16.1934

Details

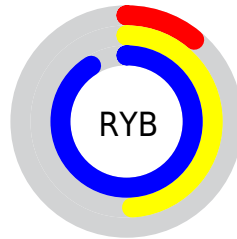
The XYZ color **38.9771, 54.1239, 83.9940** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.1556, 19.0340, 3.0379**, and the grayscale version is **33.5886, 35.3378, 38.4829**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **20.1360, 27.8914, 44.8797** is the 20% darker color. If you saturate the color by 10%, you get **38.0564, 52.9243, 83.8120**, and if you desaturate by 10%, it is **40.3891, 55.5877, 84.2032**.

Distribution



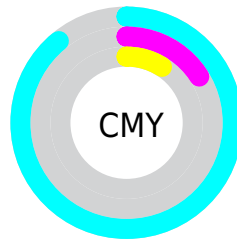
- Red (11%)
- Green (84%)
- Blue (91%)



- Red (11%)
- Yellow (49%)
- Blue (91%)



- Cyan (87%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (89%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9771, 54.1239, 83.9940 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 38.9771, 54.1239, 83.9940 by changing the saturation by 10% instead.


 38.9771, 54.1239,
83.9940


 38.9771, 54.1239,
83.9940


333.0020,
402.5823, 528.3508


 26.9226, 38.7007,
62.4651


 72.8976, 96.2561,
140.8284


 17.6514, 26.5270,
44.9704


 95.4943, 123.7340,
176.9711


 10.7981, 17.2183,
31.0913


 122.3358,
155.9989, 218.8220

 5.9976, 10.3903,
20.4094

 153.7874,
193.4352, 266.7999

 2.8842, 5.6585,
12.5059

 190.2144,
236.4272, 321.3232

 1.0928, 2.6385,
6.9625

231.9823,

 0.0191, 0.9461,

285.3595, 382.8104

3.3606

279.4564,
340.6164, 451.6801

■ 0.0000, 0.0000,
1.2816

■ 0.0000, 0.0000,
0.0466

■ 38.9771, 54.1239,
83.9940

■ 38.9771, 54.1239,
83.9940

■ 38.0564, 52.9243,
83.8120

■ 40.3891, 55.5877,
84.2032

■ 37.8577, 52.6369,
83.7670

■ 42.3867, 57.3611,
84.4402

■ 45.0465, 59.4846,
84.7099

■ 48.4320, 61.9911,
85.0152

■ 52.5995, 64.9095,
85.3589

■ 57.5995, 68.2659,
85.7432

■ 63.4784, 72.0843,
86.1704

■ 70.2790, 76.3868,
86.6424

■ 78.0414, 81.1941,
87.1612

Harmonies

Analogous

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



37.3035, 54.1239, 58.6042



38.9771, 54.1239, 83.9940



43.9060, 54.1239, 106.7542

Triad

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



38.9771, 54.1239, 83.9940



66.1829, 54.1239, 84.7159



51.5578, 54.1239, 24.4684

Complementary

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



38.9771, 54.1239, 83.9940



34.1556, 19.0340, 3.0379

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.



59.7970, 54.1239, 28.0714



38.9771, 54.1239, 83.9940



68.7684, 54.1239, 59.2605

Square

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



38.9771, 54.1239, 83.9940



59.5778, 54.1239, 107.2426



66.3186, 54.1239, 39.4281



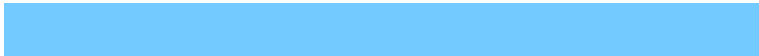
44.0848, 54.1239, 27.8717

Rectangle

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



38.9771, 54.1239, 83.9940



48.6595, 54.1239, 115.0449



66.3186, 54.1239, 39.4281



54.3309, 54.1239, 24.8820

Sweetspot

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



38.9788, 54.1259, 83.9953



72.9676, 86.0118, 107.3639



29.5741, 57.6104, 12.1314



15.1150, 18.0777, 22.9426



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.



38.9788, 54.1259, 83.9953



47.3417, 65.8034, 104.8139



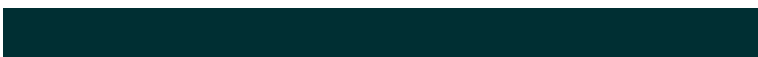
20.8571, 17.8824, 77.9547



14.6983, 16.1179, 18.4807



21.2683, 29.5986, 46.9753



1.6024, 2.2488, 3.4816

Inverse Universe

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



45.5335, 22.7244, 65.6067



56.0251, 27.1740, 79.7873



43.5873, 37.8974, 6.1818



14.9400, 14.5932, 17.8846



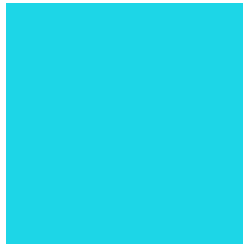
25.1288, 12.1857, 35.9026



1.8725, 0.9067, 2.7348

Previews

White Background



This preview shows how the XYZ color 38.9771, 54.1239, 83.9940 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 38.9771, 54.1239, 83.9940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

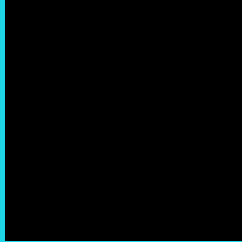
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9771, 54.1239, 83.9940

Background



This preview shows how black text looks on a background with the XYZ color 38.9771, 54.1239, 83.9940.

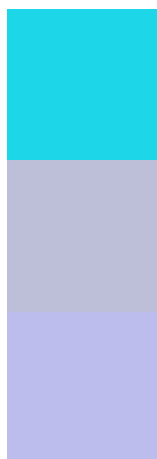


This preview shows how white text looks on a background with the XYZ color 38.9771, 54.1239,

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

38.9771, 54.1239, 83.9940

Protanopia

52.0117, 53.0383, 72.4618

Deuteranopia

54.4699, 53.3284, 87.5433



Tritanopia

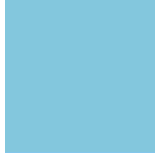
39.0058, 54.1387, 83.9953

Trichromacy



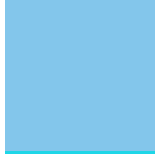
Original Color

38.9771, 54.1239, 83.9940



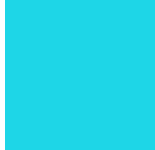
Protanomaly

42.8346, 50.8926, 75.9722



Deuteranomaly

44.5496, 51.2116, 86.1341



Tritanomaly

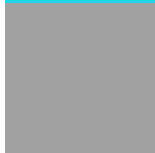
39.0058, 54.1387, 83.9953

Monochromacy



Original Color

38.9771, 54.1239, 83.9940



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.9942, 39.6984, 52.4307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9771, 54.1239, 83.9940 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(29, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(29, 214, 231)  
}
```

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(29, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 214, 231) }
```

Border

The CSS property to change the border of an element to XYZ 38.9771, 54.1239, 83.9940 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(29, 214, 231) }
```


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

```
.border{ border-color:rgb(29, 214, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 214, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(29, 214,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9771, 54.1239, 83.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 214, 231) }
```

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

```
.background{ background-color: rgb(29, 214,  
231) }
```

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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