

Converting Colors

XYZ(38.8058, 54.9284, 83.3398)

Have a look what the booklet for
XYZ(38.8058, 54.9284, 83.3398)
contains.

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Color

**XYZ(38.8388, 54.8249,
83.3982)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8E6
RGB	0, 216, 230
RGB Percent	0%, 85%, 90%
CMY	0.9998, 0.1529, 0.0980
CMYK	1.00, 0.06, 0.00, 0.10
HSL	184°, 100%, 45%
HSV	184°, 100%, 90%
XYZ	38.8388, 54.8249, 83.3982
YIQ	153.0120, -133.2300, -41.4380

Conversions

Conversions Part 2

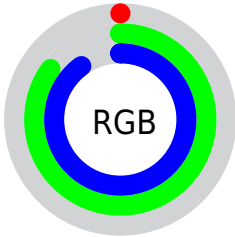
Format	Color
RYB	0, 111, 230
Decimal	55526
CIELab	78.94, -38.19, -19.30
CIELCh	79, 42.792, 206.810
Yxy	54.8249, 0.2194, 0.3096
Android (android.graphics.Color)	4278245606 (0xFF00D8E6)
YUV	153.0120, 37.9551, -134.1915
Hunter-Lab	74.0438, -35.9467, -14.9497

Details

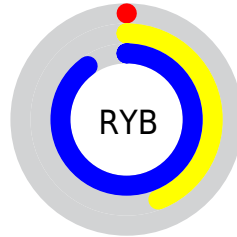
The XYZ color **38.8388, 54.8249, 83.3982** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.7918, 17.1390, 1.5816**, and the grayscale version is **30.1736, 31.7450, 34.5703**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.3849, 28.5457, 44.4799** is the 20% darker color. If you saturate the color by 10%, you get **38.8388, 54.8246, 83.3992**, and if you desaturate by 10%, it is **39.5548, 55.7299, 83.5362**.

Distribution



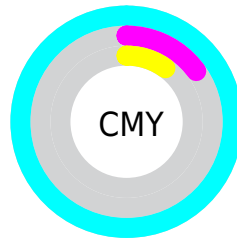
- Red (0%)
- Green (85%)
- Blue (90%)



- Red (0%)
- Yellow (44%)
- Blue (90%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8388, 54.8249, 83.3982 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 38.8388, 54.8249, 83.3982 by changing the saturation by 10% instead.


 38.8388, 54.8249,
83.3982


 38.8388, 54.8249,
83.3982


332.4236,
405.2478, 526.3184


 26.8145, 39.2615,
61.9762


 72.6876, 97.2844,
139.9872


 17.5698, 26.9633,
44.5778


 95.2429, 124.9493,
175.9914


 10.7394, 17.5456,
30.7845


 122.0392,
157.4168, 217.6933

 5.9579, 10.6243,
20.1777

 153.4419,
195.0714, 265.5115

 2.8599, 5.8148,
12.3389

 189.8163,
238.2974, 319.8646

 1.0801, 2.7328,
6.8496

231.5278,

 0.0084, 0.9939,

287.4792, 381.1710

3.2912

278.9418,
343.0012, 449.8495

■ 0.0000, 0.0000,
1.2452

■ 0.0000, 0.0000,
0.0162

■ 38.8388, 54.8249,
83.3982

■ 38.8388, 54.8249,
83.3982

■ 38.8388, 54.8246,
83.3992

■ 39.5548, 55.7299,
83.5362

■ 40.6928, 56.8560,
83.6936

■ 42.3884, 58.2740,
83.8779

■ 44.7190, 60.0241,
84.0929

■ 47.7502, 62.1398,
84.3415

■ 51.5390, 64.6506,
84.6264

■ 56.1367, 67.5832,
84.9501

■ 61.5902, 70.9614,
85.3148

■ 67.9427, 74.8078,
85.7224

Harmonies

Analogous

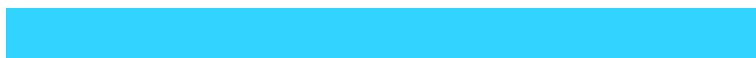
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.4325, 54.8249, 57.1272



38.8388, 54.8249, 83.3982



43.6631, 54.8249, 108.0702

Triad

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



38.8388, 54.8249, 83.3982



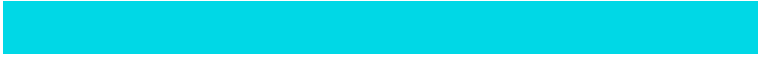
67.0216, 54.8249, 89.1662



53.0245, 54.8249, 24.0903

Complementary

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



38.8388, 54.8249, 83.3982



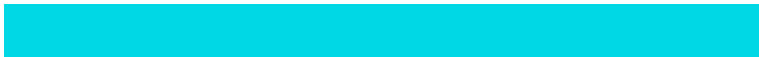
32.7918, 17.1390, 1.5816

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.



61.5802, 54.8249, 28.4623



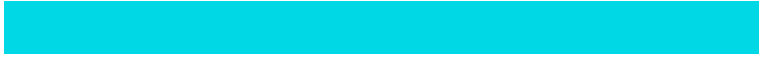
38.8388, 54.8249, 83.3982



70.1946, 54.8249, 62.3386

Square

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



38.8388, 54.8249, 83.3982



59.8356, 54.8249, 111.9869



68.1034, 54.8249, 40.9712



45.0787, 54.8249, 26.9015

Rectangle

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



38.8388, 54.8249, 83.3982



48.4675, 54.8249, 117.8626



68.1034, 54.8249, 40.9712



55.9293, 54.8249, 24.7307

Sweetspot

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



38.8405, 54.8269, 83.3995



70.8173, 85.3287, 107.3454



28.3617, 56.6203, 9.7678



14.6048, 17.9142, 22.9380



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.



38.8405, 54.8269, 83.3995



49.0560, 69.2321, 105.3853



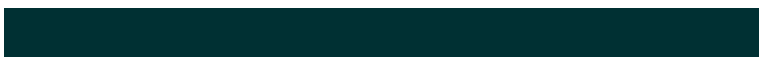
19.1874, 15.5207, 76.8485



14.7284, 16.1781, 18.4908



22.0212, 31.1045, 47.2263



1.6502, 2.3444, 3.4975

Inverse Universe

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



45.0293, 21.7826, 66.7989



56.8904, 27.5202, 84.3440



40.1625, 31.8805, 4.0385



14.9552, 14.5993, 17.9647



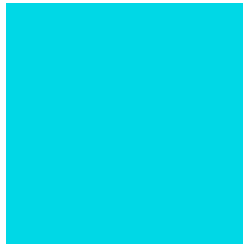
25.5088, 12.3377, 37.9038



1.8966, 0.9163, 2.8619

Previews

White Background



This preview shows how the XYZ color 38.8388, 54.8249, 83.3982 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 38.8388, 54.8249, 83.3982 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

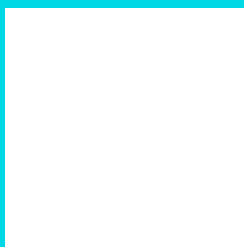
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8388, 54.8249, 83.3982

Background



This preview shows how black text looks on a background with the XYZ color 38.8388, 54.8249, 83.3982.



This preview shows how white text looks on a background with the XYZ color 38.8388, 54.8249,

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

38.8388, 54.8249, 83.3982

Protanopia

52.8216, 54.1226, 71.9527

Deuteranopia

55.2920, 54.0895, 86.8830



Tritanopia

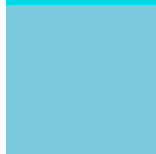
39.5324, 55.1334, 85.6490

Trichromacy



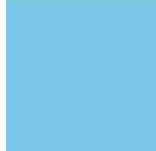
Original Color

38.8388, 54.8249, 83.3982



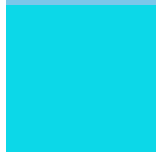
Protanomaly

41.8310, 51.0782, 75.3645



Deuteranomaly

43.3007, 50.9249, 85.3892



Tritanomaly

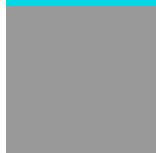
39.2730, 55.0161, 84.8932

Monochromacy



Original Color

38.8388, 54.8249, 83.3982



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.7956, 36.9283, 49.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8388, 54.8249, 83.3982 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(0, 216, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 230)  
}
```

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(0, 216, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 230) }
```

Border

The CSS property to change the border of an element to XYZ 38.8388, 54.8249, 83.3982 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(0, 216, 230) }
```


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

```
.border{ border-color:rgb(0, 216, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8388, 54.8249, 83.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 230) }
```

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

```
.background{ background-color: rgb(0, 216,  
230) }
```

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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