

Converting Colors

XYZ(21.3622, 46.0566, 79.4765)

Have a look what the booklet for
XYZ(21.3622, 46.0566, 79.4765)
contains.

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Color

**XYZ(38.2833, 54.6027,
80.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8E2
RGB	0, 216, 226
RGB Percent	0%, 85%, 89%
CMY	0.9998, 0.1529, 0.1137
CMYK	1.00, 0.04, 0.00, 0.11
HSL	183°, 100%, 44%
HSV	183°, 100%, 89%
XYZ	38.2833, 54.6027, 80.4731
YIQ	152.5560, -131.9460, -42.6820

Conversions

Conversions Part 2

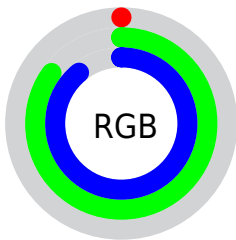
Format	Color
RYB	0, 110, 226
Decimal	55522
CIELab	78.81, -39.42, -17.36
CIELCh	79, 43.069, 203.766
Yxy	54.6027, 0.2208, 0.3150
Android (android.graphics.Color)	4278245602 (0xFF00D8E2)
YUV	152.5560, 36.2079, -133.7916
Hunter-Lab	73.8936, -36.8354, -12.8436

Details

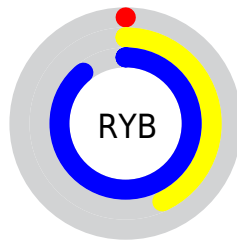
The XYZ color **38.2833, 54.6027, 80.4731** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.4739, 16.3874, 1.5058**, and the grayscale version is **29.9823, 31.5438, 34.3511**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.9215, 28.0819, 42.8985** is the 20% darker color. If you saturate the color by 10%, you get **38.2837, 54.6031, 80.4742**, and if you desaturate by 10%, it is **38.8868, 55.2965, 80.5762**.

Distribution



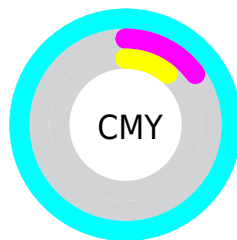
- Red (0%)
- Green (85%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2833, 54.6027, 80.4731 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 38.2833, 54.6027, 80.4731 by changing the saturation by 10% instead.

38.2833, 54.6027,
80.4731

38.2833, 54.6027,
80.4731

330.0936,
404.4041, 516.2745

26.3809, 39.0837,
59.5793

71.8433, 96.9586,
135.8481

17.2429, 26.8249,
42.6565

94.2315, 124.5643,
171.1663

10.5042, 17.4417,
29.2863

120.8457,
156.9677, 212.1298

5.7994, 10.5499,
19.0501

152.0512,
194.5532, 259.1571

2.7630, 5.7651,
11.5293

188.2134,
237.7052, 312.6666

1.0297, 2.7028,
6.3054

229.6976,

0.0000, 0.9786,

286.8081, 373.0770

2.9599

276.8692,
342.2463, 440.8068

■ 0.0000, 0.0000,
1.0742

■ 0.0000, 0.0000,
0.0000

■ 38.2833, 54.6027,
80.4731

■ 38.2833, 54.6027,
80.4731

■ 38.2837, 54.6031,
80.4742

■ 38.8868, 55.2965,
80.5762

■ 39.8934, 56.1992,
80.6974

■ 41.4339, 57.3796,
80.8441

■ 43.5827, 58.8759,
81.0196

■ 46.4024, 60.7203,
81.2270

■ 49.9476, 62.9410,
81.4688

■ 54.2675, 65.5635,
81.7473

■ 59.4069, 68.6109,
82.0646

■ 65.4072, 72.1044,
82.4227

Harmonies

Analogous

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



37.2362, 54.6027, 54.4951



38.2833, 54.6027, 80.4731



42.7913, 54.6027, 105.9832

Triad

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



38.2833, 54.6027, 80.4731



66.2902, 54.6027, 91.7791



53.7004, 54.6027, 23.9058

Complementary

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



38.2833, 54.6027, 80.4731



31.4739, 16.3874, 1.5058

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.



62.2135, 54.6027, 29.0335



38.2833, 54.6027, 80.4731



69.9779, 54.6027, 64.7030

Square

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



38.2833, 54.6027, 80.4731



58.7957, 54.6027, 113.6633



68.4099, 54.6027, 42.4547



45.5625, 54.6027, 25.9828

Rectangle

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



38.2833, 54.6027, 80.4731



47.4450, 54.6027, 116.9469



68.4099, 54.6027, 42.4547



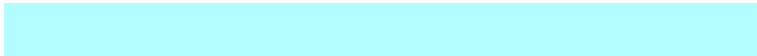
56.6217, 54.6027, 24.7857

Sweetspot

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



38.2850, 54.6047, 80.4744



71.2146, 86.1233, 107.4778



27.2390, 54.4105, 9.2845



14.7015, 18.1076, 22.9702



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.



38.2850, 54.6047, 80.4744



50.3153, 71.7505, 105.8051



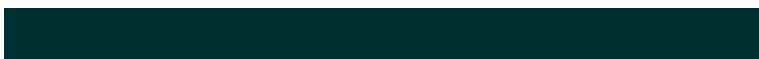
18.8307, 15.6962, 73.9897



14.0619, 15.4629, 17.6312



21.8645, 31.1985, 45.9179



1.5318, 2.1951, 3.1882

Inverse Universe

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



43.7601, 21.1282, 66.7395



57.5260, 27.7744, 87.6910



38.1488, 29.7372, 3.7308



14.2675, 13.9246, 17.1786



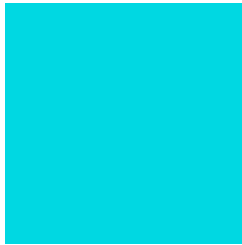
24.9764, 12.0575, 38.1369



1.7395, 0.8391, 2.6868

Previews

White Background



This preview shows how the XYZ color 38.2833, 54.6027, 80.4731 looks on a white background.

Color Contrast Check

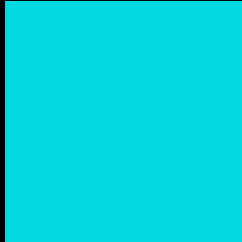
Large Text (above 18pt) WCAG AA × Fail

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 38.2833, 54.6027, 80.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

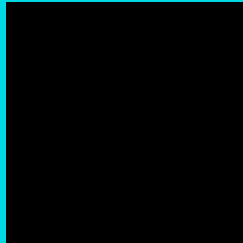
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2833, 54.6027, 80.4731

Background



This preview shows how black text looks on a background with the XYZ color 38.2833, 54.6027, 80.4731.

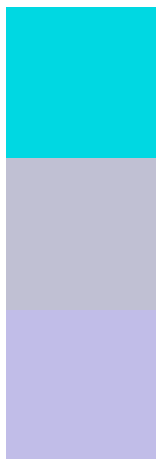


This preview shows how white text looks on a background with the XYZ color 38.2833, 54.6027,

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

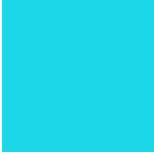
38.2833, 54.6027, 80.4731

Protanopia

52.3457, 53.6089, 69.2167

Deuteranopia

54.7554, 53.5588, 83.7959



Tritanopia

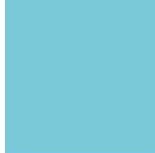
39.3179, 54.6601, 84.8221

Trichromacy



Original Color

38.2833, 54.6027, 80.4731



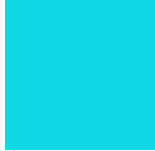
Protanomaly

41.3074, 50.8687, 72.6073



Deuteranomaly

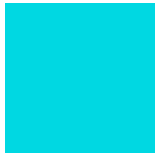
42.8747, 50.7710, 82.4030



Tritanomaly

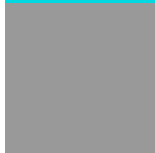
38.8145, 54.4332, 83.3238

Monochromacy



Original Color

38.2833, 54.6027, 80.4731



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.6933, 36.8873, 48.7877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2833, 54.6027, 80.4731 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.2833, 54.6027, 80.4731 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, 226) }
```


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

```
.border{ border-color:rgb(0, 216, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2833, 54.6027, 80.4731 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, 226) }
```

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

```
.background{ background-color: rgb(0, 216,  
226) }
```

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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