

Converting Colors

XYZ(38.3232, 54.4670, 81.1501)

Have a look what the booklet for
XYZ(38.3232, 54.4670, 81.1501)
contains.

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Color

**XYZ(38.4210, 54.6578,
81.1981)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8E3
RGB	0, 216, 227
RGB Percent	0%, 85%, 89%
CMY	0.9998, 0.1529, 0.1098
CMYK	1.00, 0.05, 0.00, 0.11
HSL	183°, 100%, 45%
HSV	183°, 100%, 89%
XYZ	38.4210, 54.6578, 81.1981
YIQ	152.6700, -132.2670, -42.3710

Conversions

Conversions Part 2

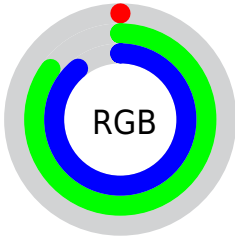
Format	Color
RYB	0, 111, 227
Decimal	55523
CIELab	78.84, -39.11, -17.84
CIELCh	79, 42.990, 204.523
Yxy	54.6578, 0.2205, 0.3136
Android (android.graphics.Color)	4278245603 (0xFF00D8E3)
YUV	152.6700, 36.6447, -133.8916
Hunter-Lab	73.9309, -36.6148, -13.3664

Details

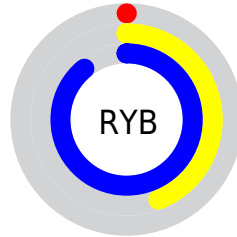
The XYZ color **38.4210, 54.6578, 81.1981** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7997, 16.5719, 1.5243**, and the grayscale version is **30.0302, 31.5941, 34.4059**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.0172, 28.1202, 43.4024** is the 20% darker color. If you saturate the color by 10%, you get **38.4213, 54.6580, 81.1992**, and if you desaturate by 10%, it is **39.0526, 55.4044, 81.3099**.

Distribution



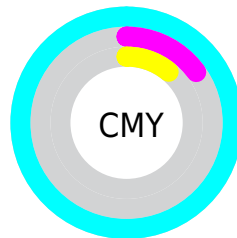
- Red (0%)
- Green (85%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4210, 54.6578, 81.1981 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 38.4210, 54.6578, 81.1981 by changing the saturation by 10% instead.


 38.4210, 54.6578,
81.1981


 38.4210, 54.6578,
81.1981


330.6722,
404.6135, 518.7743


 26.4883, 39.1278,
60.1728


 72.0527, 97.0394,
136.8755


 17.3239, 26.8592,
43.1317


 94.4824, 124.6598,
172.3646


 10.5624, 17.4675,
29.6563


 121.1419,
157.0791, 213.5121

 5.8385, 10.5684,
19.3280

 152.3964,
194.6818, 260.7366

 2.7869, 5.7774,
11.7283

 188.6113,
237.8521, 314.4565

 1.0421, 2.7102,
6.4387

230.1520,

 0.0000, 0.9824,

286.9746, 375.0904

3.0406

277.3839,
342.4336, 443.0568

■ 0.0000, 0.0000,
1.1154

■ 0.0000, 0.0000,
0.0000

■ 38.4210, 54.6578,
81.1981

■ 38.4210, 54.6578,
81.1981

■ 38.4213, 54.6580,
81.1992

■ 39.0526, 55.4044,
81.3099

■ 40.0919, 56.3628,
81.4402

■ 41.6710, 57.6023,
81.5962

■ 43.8650, 59.1616,
81.7815

■ 46.7371, 61.0733,
81.9991

■ 50.3427, 63.3659,
82.2516

■ 54.7314, 66.0651,
82.5413

■ 59.9485, 69.1943,
82.8703

■ 66.0360, 72.7749,
83.2406

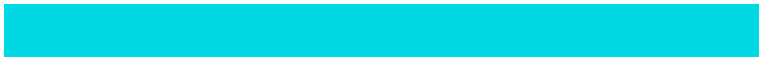
Harmonies

Analogous

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



37.2845, 54.6578, 55.1449



38.4210, 54.6578, 81.1981



43.0076, 54.6578, 106.5035

Triad

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



38.4210, 54.6578, 81.1981



66.4726, 54.6578, 91.1216



53.5305, 54.6578, 23.9508

Complementary

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



38.4210, 54.6578, 81.1981



31.7997, 16.5719, 1.5243

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.



62.0546, 54.6578, 28.8890



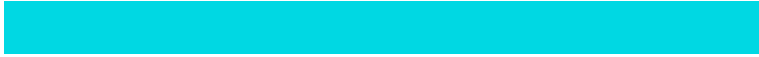
38.4210, 54.6578, 81.1981



70.0322, 54.6578, 64.1060

Square

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



38.4210, 54.6578, 81.1981



59.0543, 54.6578, 113.2440



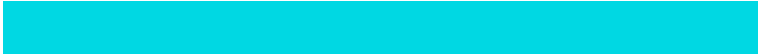
68.3333, 54.6578, 42.0797



45.4407, 54.6578, 26.2095

Rectangle

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



38.4210, 54.6578, 81.1981



47.6988, 54.6578, 117.1769



68.3333, 54.6578, 42.0797



56.4478, 54.6578, 24.7709

Sweetspot

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



38.4227, 54.6598, 81.1994



71.1137, 85.9215, 107.4442



27.5120, 54.9561, 9.3764



14.6770, 18.0584, 22.9620



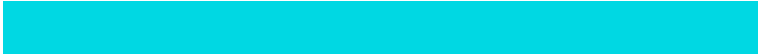
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.4227, 54.6598, 81.1994



49.9935, 71.1070, 105.6978



19.0165, 15.8473, 74.7307



14.7445, 16.2103, 18.4961



22.4327, 31.9275, 47.3635



1.6762, 2.3964, 3.5062

Inverse Universe

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



44.0747, 21.2904, 66.7543



57.3636, 27.7094, 86.8358



38.5282, 30.0290, 3.7672



14.9634, 14.6025, 18.0074



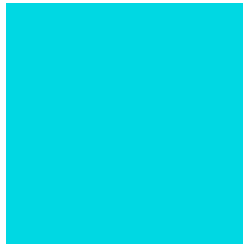
25.7165, 12.4208, 38.9976



1.9097, 0.9216, 2.9310

Previews

White Background



This preview shows how the XYZ color 38.4210, 54.6578, 81.1981 looks on a white background.

Color Contrast Check

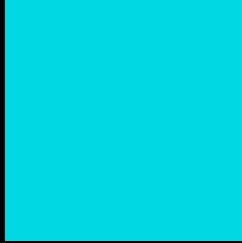
Large Text (above 18pt) WCAG AA × Fail

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 38.4210, 54.6578, 81.1981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

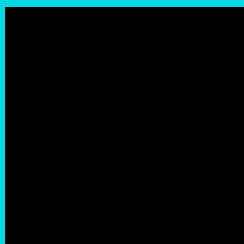
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

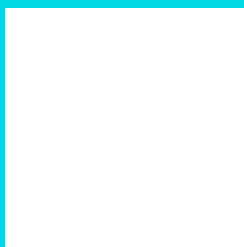
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4210, 54.6578, 81.1981

Background



This preview shows how black text looks on a background with the XYZ color 38.4210, 54.6578, 81.1981.

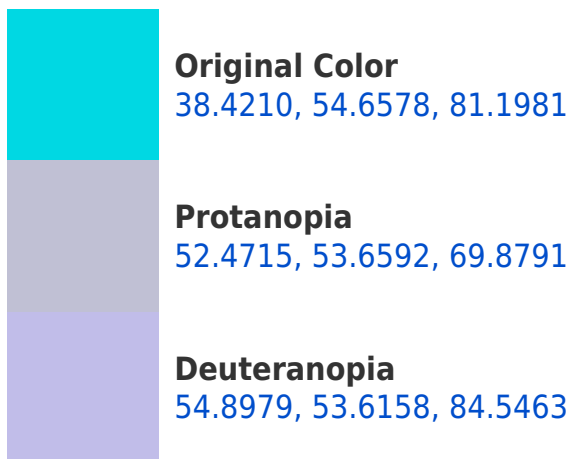


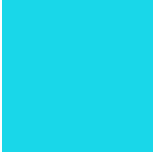
This preview shows how white text looks on a background with the XYZ color 38.4210, 54.6578,

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





Tritanopia

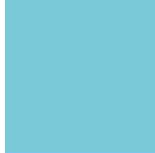
39.4093, 54.6907, 85.5701

Trichromacy



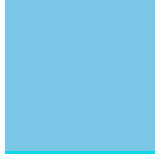
Original Color

38.4210, 54.6578, 81.1981



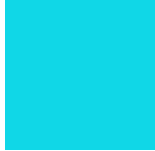
Protanomaly

41.4371, 50.9206, 73.2903



Deuteranomaly

43.0156, 50.8273, 83.1448



Tritanomaly

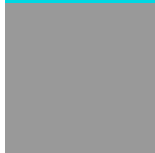
38.9379, 54.4806, 84.0649

Monochromacy



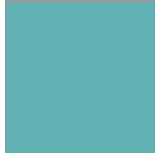
Original Color

38.4210, 54.6578, 81.1981



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 38.4210, 54.6578, 81.1981 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 227) }
```

Border

The CSS property to change the border of an element to XYZ 38.4210, 54.6578, 81.1981 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, 227) }
```


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

```
.border{ border-color:rgb(0, 216, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4210, 54.6578, 81.1981 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, 227) }
```

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

```
.background{ background-color: rgb(0, 216,  
227) }
```

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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