

Converting Colors

XYZ(38.9881, 59.2233, 68.3333)

Have a look what the booklet for
XYZ(38.9881, 59.2233, 68.3333)
contains.

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Color

**XYZ(38.9655, 59.1589,
68.3966)**

Conversions

Conversions Part 1

Format	Color
Hex	1DE2CF
RGB	29, 226, 207
RGB Percent	11%, 89%, 81%
CMY	0.8862, 0.1137, 0.1882
CMYK	0.87, 0.00, 0.08, 0.11
HSL	174°, 77%, 50%
HSV	174°, 87%, 89%
XYZ	38.9655, 59.1589, 68.3966
YIQ	164.9310, -111.3130, -47.6730

Conversions

Conversions Part 2

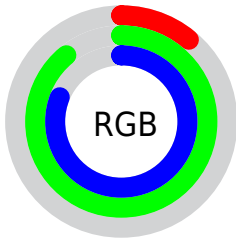
Format	Color
R _Y B	29, 132, 226
Decimal	1958607
CIE Lab	81.38, -48.30, -3.39
CIE LCh	81, 48.419, 184.016
Yxy	59.1589, 0.2340, 0.3553
Android (android.graphics.Color)	4280148687 (0xFF1DE2CF)
YUV	164.9310, 20.7400, -119.2115
Hunter-Lab	76.9148, -44.1718, 1.1167

Details

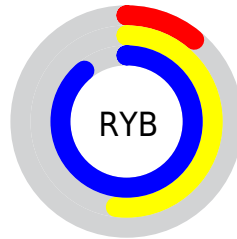
The XYZ color **38.9655, 59.1589, 68.3966** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3389, 17.2626, 4.4262**, and the grayscale version is **35.6766, 37.5345, 40.8751**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **20.1245, 31.0494, 35.0694** is the 20% darker color. If you saturate the color by 10%, you get **38.2756, 58.8352, 66.9837**, and if you desaturate by 10%, it is **40.1251, 59.7271, 69.8533**.

Distribution



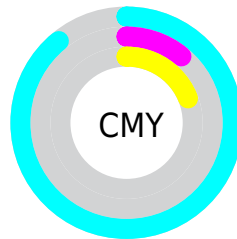
- Red (11%)
- Green (89%)
- Blue (81%)



- Red (11%)
- Yellow (52%)
- Blue (89%)



- Cyan (87%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9655, 59.1589, 68.3966 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 38.9655, 59.1589, 68.3966 by changing the saturation by 10% instead.


 38.9655, 59.1589,
68.3966


 38.9655, 59.1589,
68.3966


332.9535,
421.4905, 473.5361


 26.9135, 42.7410,
49.7518


 72.8800, 103.6086,
118.5789


 17.6445, 29.6820,
34.8464


 95.4732, 132.4092,
150.9534


 10.7932, 19.5973,
23.2620


 122.3109,
166.1062, 188.7416

 5.9942, 12.1027,
14.5799

 153.7584,
205.0839, 232.3620

 2.8822, 6.8137,
8.3818

 190.1810,
249.7268, 282.2331

 1.0918, 3.3458,
4.2489

231.9442,

 0.0182, 1.3148,

300.4193, 338.7734

1.7629

279.4132,
357.5457, 402.4016

■ 0.0000, 0.1526,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 38.9655, 59.1589,
68.3966

■ 38.9655, 59.1589,
68.3966

■ 38.2756, 58.8352,
66.9837


■ 40.1251, 59.7271,
69.8533


■ 38.1207, 58.7639,
66.5875


■ 41.8416, 60.5805,
71.3541


■ 44.1871, 61.7578,
72.9036

■ 47.2217, 63.2899,
74.5049

 50.9984, 65.2041,
76.1603

 55.5649, 67.5251,
77.8724

 60.9652, 70.2754,
79.6431

 67.2397, 73.4760,
81.4745

 74.4265, 77.1464,
83.3683

Harmonies

Analogous

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



40.4878, 59.1589, 42.9530



38.9655, 59.1589, 68.3966



41.5926, 59.1589, 100.8909

Triad

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



38.9655, 59.1589, 68.3966



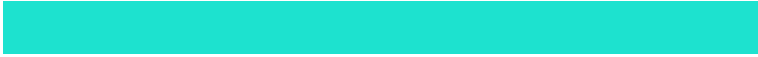
67.8323, 59.1589, 122.5288



65.1922, 59.1589, 26.1825

Complementary

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



38.9655, 59.1589, 68.3966



32.3389, 17.2626, 4.4262

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.



73.9494, 59.1589, 37.9968



38.9655, 59.1589, 68.3966



75.5975, 59.1589, 92.0448

Square

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



38.9655, 59.1589, 68.3966



57.6027, 59.1589, 137.5332



77.9595, 59.1589, 60.5891



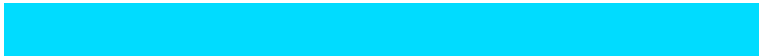
54.8768, 59.1589, 23.2809

Rectangle

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



38.9655, 59.1589, 68.3966



45.5529, 59.1589, 120.8514



77.9595, 59.1589, 60.5891



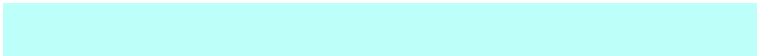
68.4545, 59.1589, 29.0236

Sweetspot

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



38.9672, 59.1611, 68.3980



73.7092, 89.1154, 102.6155



28.6724, 55.1294, 10.2935



15.2946, 18.8290, 21.7935



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.



38.9672, 59.1611, 68.3980



50.0994, 77.2558, 87.4304



24.7016, 26.6854, 75.8029



14.0566, 15.5484, 17.3332



21.7716, 33.5335, 38.1157



1.5259, 2.3311, 2.7304

Inverse Universe

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



32.3389, 17.2626, 4.4262



41.4112, 21.3285, 2.8313



36.9300, 26.9439, 4.4179



13.7607, 13.7219, 14.5099



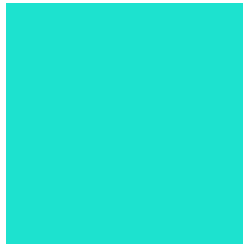
17.9942, 9.2647, 1.3691



1.2659, 0.6496, 0.1929

Previews

White Background



This preview shows how the XYZ color 38.9655, 59.1589, 68.3966 looks on a white background.

Color Contrast Check

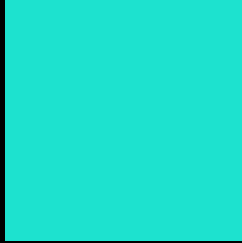
Large Text (above 18pt) WCAG AA × Fail

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 38.9655, 59.1589, 68.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

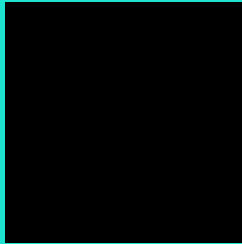
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

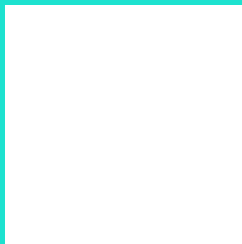
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9655, 59.1589, 68.3966

Background



This preview shows how black text looks on a background with the XYZ color 38.9655, 59.1589, 68.3966.

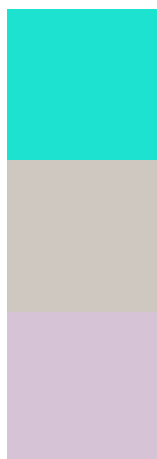


This preview shows how white text looks on a background with the XYZ color 38.9655, 59.1589,

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

38.9655, 59.1589, 68.3966

Protanopia

55.6223, 58.2361, 58.1783

Deuteranopia

59.3843, 58.1814, 71.7186



Tritanopia

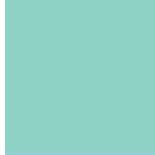
43.3609, 58.9370, 90.7520

Trichromacy



Original Color

38.9655, 59.1589, 68.3966



Protanomaly

44.0338, 55.3829, 61.1925



Deuteranomaly

45.8618, 55.0488, 69.8363



Tritanomaly

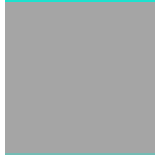
41.5194, 58.9744, 81.8679

Monochromacy



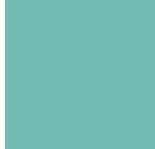
Original Color

38.9655, 59.1589, 68.3966



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.2110, 42.5489, 49.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9655, 59.1589, 68.3966 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, 226, 207)` looks like.

```
.text, #text, p{  
    color:rgb(29, 226, 207)  
}
```

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, 226, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 226, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.9655, 59.1589, 68.3966 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, 226, 207) }
```


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

```
.border{ border-color:rgb(29, 226, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 226, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 226, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 226, 207);  
box-shadow:4px 4px 4px 4px rgb(29, 226,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9655, 59.1589, 68.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 226, 207) }
```

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

```
.background{ background-color: rgb(29, 226,  
207) }
```

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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