

Converting Colors

XYZ(38.0663, 58.7766, 64.7724)

Have a look what the booklet for
XYZ(38.0663, 58.7766, 64.7724)
contains.

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Color

**XYZ(38.0275, 58.7585,
64.5956)**

Conversions

Conversions Part 1

Format	Color
Hex	14E2C9
RGB	20, 226, 201
RGB Percent	8%, 89%, 79%
CMY	0.9215, 0.1137, 0.2118
CMYK	0.91, 0.00, 0.11, 0.11
HSL	173°, 84%, 48%
HSV	173°, 91%, 89%
XYZ	38.0275, 58.7585, 64.5956
YIQ	161.5560, -114.7510, -51.4470

Conversions

Conversions Part 2

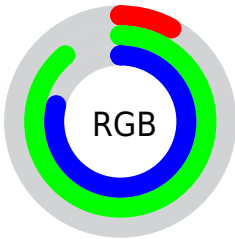
Format	Color
R _Y B	20, 130, 226
Decimal	1368777
CIE Lab	81.16, -50.36, -0.54
CIE LCh	81, 50.359, 180.611
Yxy	58.7585, 0.2356, 0.3641
Android (android.graphics.Color)	4279558857 (0xFF14E2C9)
YUV	161.5560, 19.4459, -124.1446
Hunter-Lab	76.6541, -45.5922, 3.6948

Details

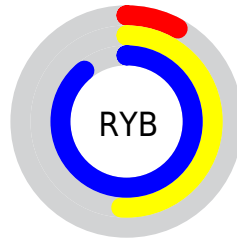
The XYZ color **38.0275, 58.7585, 64.5956** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.0900, 16.8604, 4.0488**, and the grayscale version is **34.0904, 35.8657, 39.0578**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **19.6412, 30.8560, 32.5244** is the 20% darker color. If you saturate the color by 10%, you get **37.4563, 58.4982, 63.0889**, and if you desaturate by 10%, it is **39.0466, 59.2476, 66.3445**.

Distribution



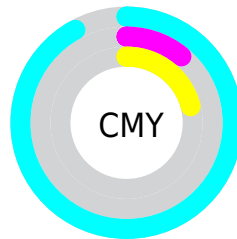
- Red (8%)
- Green (89%)
- Blue (79%)



- Red (8%)
- Yellow (51%)
- Blue (89%)



- Cyan (91%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (92%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0275, 58.7585, 64.5956 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 38.0275, 58.7585, 64.5956 by changing the saturation by 10% instead.


 38.0275, 58.7585,
64.5956


 38.0275, 58.7585,
64.5956


329.0167,
420.0064, 459.6037


 26.1813, 42.4187,
46.6840


 71.4539, 103.0266,
113.0760


 17.0927, 29.4293,
32.4333


 93.7649, 131.7237,
144.4818


 10.3964, 19.4058,
21.4252


 120.2948,
165.3087, 181.2227

 5.7268, 11.9639,
13.2409

 151.4091,
204.1661, 223.7174

 2.7188, 6.7191,
7.4619

 187.4731,
248.6801, 272.3843

 1.0068, 3.2871,
3.6698

228.8521,

 0.0000, 1.2834,

299.2352, 327.6419

1.4460

275.9115,
356.2159, 389.9089

■ 0.0000, 0.1283,
0.1772

■ 0.0000, 0.0000,
0.0000

■ 38.0275, 58.7585,
64.5956

■ 38.0275, 58.7585,
64.5956

■ 37.4563, 58.4982,
63.0889

■ 39.0466, 59.2476,
66.3445

■ 40.5925, 60.0063,
68.1469

■ 42.7431, 61.0759,
70.0081

■ 45.5619, 62.4895,
71.9310

■ 49.1046, 64.2755,
73.9186

■ 53.4209, 66.4596,
75.9732

■ 58.5560, 69.0652,
78.0971

■ 64.5518, 72.1137,
80.2924

■ 71.4472, 75.6254,
82.5611

Harmonies

Analogous

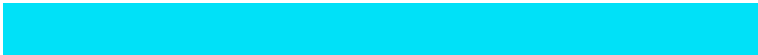
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.0688, 58.7585, 39.6346



38.0275, 58.7585, 64.5956



40.2413, 58.7585, 98.0867

Triad

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



38.0275, 58.7585, 64.5956



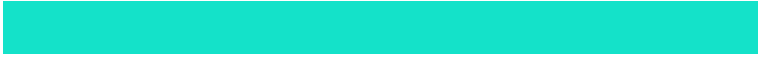
66.7484, 58.7585, 127.5933



66.3299, 58.7585, 25.7224

Complementary

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



38.0275, 58.7585, 64.5956



32.0900, 16.8604, 4.0488

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.



75.0441, 58.7585, 38.8648



38.0275, 58.7585, 64.5956



75.3061, 58.7585, 96.6759

Square

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



38.0275, 58.7585, 64.5956



56.0634, 58.7585, 140.7566



78.5137, 58.7585, 63.3644



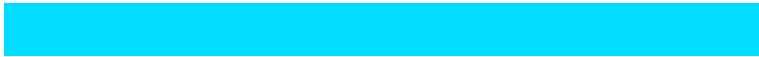
55.6335, 58.7585, 21.8874

Rectangle

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



38.0275, 58.7585, 64.5956



44.0140, 58.7585, 119.7353



78.5137, 58.7585, 63.3644



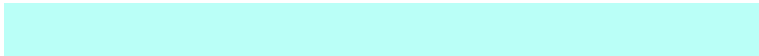
69.6335, 58.7585, 28.9426

Sweetspot

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



38.0292, 58.7607, 64.5970



72.7796, 88.6713, 100.9863



28.5189, 55.0613, 9.7880



15.1035, 18.7388, 21.4117



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.



38.0292, 58.7607, 64.5970



49.2210, 76.9044, 82.8045



25.0001, 27.6063, 75.9649



14.0412, 15.5422, 17.2521



21.3978, 33.3840, 36.1473



1.5036, 2.3222, 2.6132

Inverse Universe

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



32.0900, 16.8604, 4.0488



41.4867, 21.3587, 3.2291



35.6338, 24.5043, 3.5149



13.7746, 13.7275, 14.5831



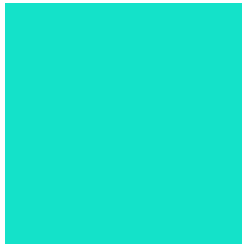
18.0319, 9.2798, 1.5677



1.2725, 0.6523, 0.2277

Previews

White Background



This preview shows how the XYZ color 38.0275, 58.7585, 64.5956 looks on a white background.

Color Contrast Check

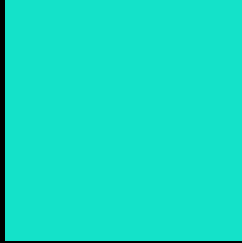
Large Text (above 18pt) WCAG AA × Fail

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 38.0275, 58.7585, 64.5956 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

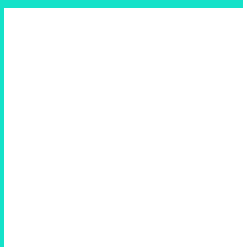
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0275, 58.7585, 64.5956

Background



This preview shows how black text looks on a background with the XYZ color 38.0275, 58.7585, 64.5956.

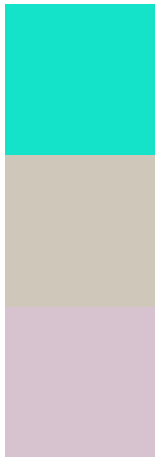


This preview shows how white text looks on a background with the XYZ color 38.0275, 58.7585,

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

38.0275, 58.7585, 64.5956

Protanopia

55.0185, 57.6574, 54.6836

Deuteranopia

58.7013, 57.5847, 67.6956



Tritanopia

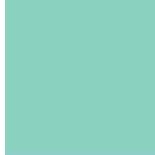
43.3609, 58.9370, 90.7520

Trichromacy



Original Color

38.0275, 58.7585, 64.5956



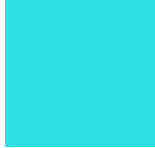
Protanomaly

42.8519, 54.8515, 57.6191



Deuteranomaly

44.5924, 54.4797, 65.9230



Tritanomaly

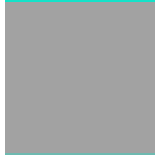
41.1050, 58.7924, 80.4158

Monochromacy



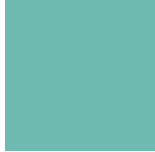
Original Color

38.0275, 58.7585, 64.5956



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.6158, 41.1475, 47.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0275, 58.7585, 64.5956 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(20, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(20, 226, 201)  
}
```

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(20, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 226, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.0275, 58.7585, 64.5956 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(20, 226, 201) }
```


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

```
.border{ border-color:rgb(20, 226, 201) }
```

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

Here you see how a box with a 4 pixel rgb(20, 226, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(20, 226,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0275, 58.7585, 64.5956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 226, 201) }
```

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

```
.background{ background-color: rgb(20, 226,  
201) }
```

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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