

Converting Colors

XYZ(38.5605, 61.6173, 60.6495)

Have a look what the booklet for
XYZ(38.5605, 61.6173, 60.6495)
contains.

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Color

**XYZ(38.5942, 61.6083,
60.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8C2
RGB	0, 232, 194
RGB Percent	0%, 91%, 76%
CMY	0.9999, 0.0902, 0.2392
CMYK	1.00, 0.00, 0.16, 0.09
HSL	170°, 100%, 45%
HSV	170°, 100%, 91%
XYZ	38.5942, 61.6083, 60.8964
YIQ	158.3000, -126.0740, -61.0020

Conversions

Conversions Part 2

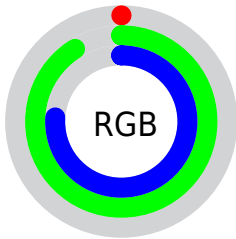
Format	Color
RYB	0, 126, 232
Decimal	59586
CIELab	82.70, -55.20, 5.40
CIELCh	83, 55.462, 174.413
Yxy	61.6083, 0.2396, 0.3824
Android (android.graphics.Color)	4278249666 (0xFF00E8C2)
YUV	158.3000, 17.6001, -138.8291
Hunter-Lab	78.4910, -49.5903, 8.9441

Details

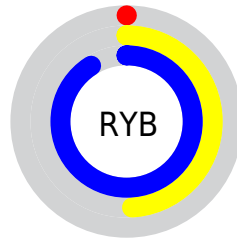
The XYZ color **38.5942, 61.6083, 60.8964** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **33.6308, 17.2974, 3.4033**, and the grayscale version is **32.6050, 34.3030, 37.3560**.

A 20% lighter version of the original color is **59.5709, 81.8016, 103.0921**, and **20.0636, 32.5534, 30.0369** is the 20% darker color. If you saturate the color by 10%, you get **38.5948, 61.6102, 60.8942**, and if you desaturate by 10%, it is **39.3868, 61.9684, 63.1920**.

Distribution



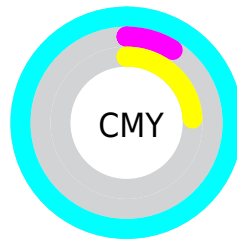
- Red (0%)
- Green (91%)
- Blue (76%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5942, 61.6083, 60.8964 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 38.5942, 61.6083, 60.8964 by changing the saturation by 10% instead.

 38.5942, 61.6083,
60.8964


 38.5942, 61.6083,
60.8964


331.3991,
430.5009, 445.7901


 26.6235, 44.7163,
43.7116


 72.3160, 107.1592,
107.6850


 17.4258, 31.2340,
30.1083


 94.7979, 136.5869,
138.1258


 10.6357, 20.7771,
19.6680


 121.5141,
170.9619, 173.8224

 5.8879, 12.9612,
11.9723

 152.8301,
210.6687, 215.1932

 2.8171, 7.4018,
6.6025

 189.1113,
256.0915, 262.6568

 1.0578, 3.7146,
3.1401

230.7229,

 0.0000, 1.5152,

307.6149, 316.6318

1.1666

278.0304,
365.6232, 377.5367

■ 0.0000, 0.2994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5942, 61.6083,
60.8964

■ 38.5942, 61.6083,
60.8964

■ 38.5948, 61.6102,
60.8942

■ 39.3868, 61.9684,
63.1920

■ 40.6180, 62.5519,
65.5642

■ 42.4258, 63.4313,
68.0212

■ 44.8896, 64.6477,
70.5671

■ 48.0763, 66.2354,
73.2055

■ 52.0444, 68.2246,
75.9395

■ 56.8464, 70.6424,
78.7719

■ 62.5301, 73.5134,
81.7055

■ 69.1398, 76.8605,
84.7425

Harmonies

Analogous

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



41.8379, 61.6083, 35.6952



38.5942, 61.6083, 60.8964



40.0812, 61.6083, 98.0037

Triad

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



38.5942, 61.6083, 60.8964



68.5411, 61.6083, 146.2788



72.9201, 61.6083, 26.6317

Complementary

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



38.5942, 61.6083, 60.8964



33.6308, 17.2974, 3.4033

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.



81.9832, 61.6083, 43.4610



38.5942, 61.6083, 60.8964



79.2245, 61.6083, 112.9436

Square

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



38.5942, 61.6083, 60.8964



56.3556, 61.6083, 155.8160



84.4336, 61.6083, 73.6707



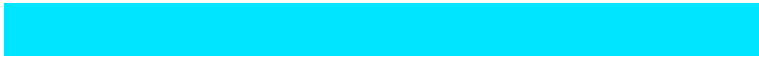
60.8147, 61.6083, 20.6898

Rectangle

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



38.5942, 61.6083, 60.8964



43.6746, 61.6083, 124.2438



84.4336, 61.6083, 73.6707



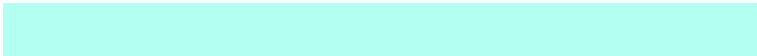
76.4855, 61.6083, 30.8549

Sweetspot

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



38.5959, 61.6107, 60.8979



70.3324, 87.4832, 97.5520



29.6832, 58.1409, 9.6589



14.4881, 18.4398, 20.5587



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.



38.5959, 61.6107, 60.8979



47.7988, 76.3355, 75.3154



26.2349, 29.1635, 80.5931



14.7007, 16.2937, 17.9547



21.4654, 34.2183, 34.0150



1.6134, 2.5395, 2.6566

Inverse Universe

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



33.6308, 17.2974, 3.4033



41.6539, 21.4256, 4.1096



35.9592, 22.5147, 2.4516



14.4728, 14.4063, 15.4243



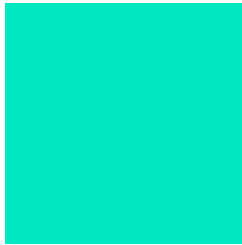
18.6998, 9.6141, 2.0483



1.4110, 0.7221, 0.3049

Previews

White Background



This preview shows how the XYZ color 38.5942, 61.6083, 60.8964 looks on a white background.

Color Contrast Check

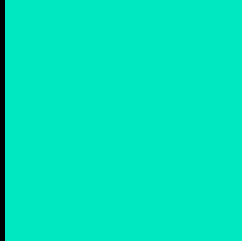
Large Text (above 18pt) WCAG AA × Fail

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 38.5942, 61.6083, 60.8964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

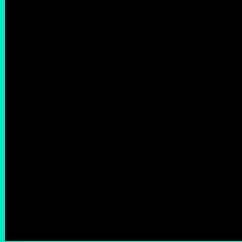
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

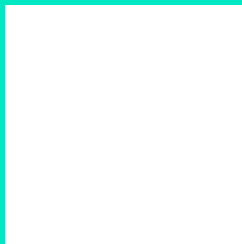
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5942, 61.6083, 60.8964

Background



This preview shows how black text looks on a background with the XYZ color 38.5942, 61.6083, 60.8964.

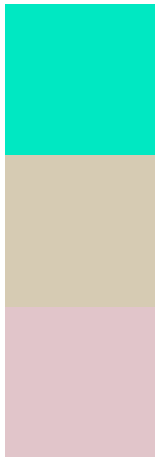


This preview shows how white text looks on a background with the XYZ color 38.5942, 61.6083,

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

38.5942, 61.6083, 60.8964

Protanopia

57.2242, 60.2627, 51.2636

Deuteranopia

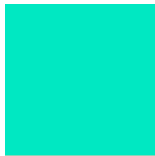
61.6783, 60.2043, 64.2469



Tritanopia

45.3496, 61.4797, 94.2706

Trichromacy



Original Color

38.5942, 61.6083, 60.8964



Protanomaly

42.8516, 56.7881, 54.0501



Deuteranomaly

44.6831, 56.0563, 62.4977



Tritanomaly

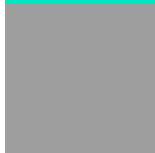
42.2889, 61.4153, 80.8596

Monochromacy



Original Color

38.5942, 61.6083, 60.8964



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.0665, 40.4049, 44.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5942, 61.6083, 60.8964 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, 232, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 194)  
}
```

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, 232, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 194) }
```

Border

The CSS property to change the border of an element to XYZ 38.5942, 61.6083, 60.8964 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, 232, 194) }
```


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

```
.border{ border-color:rgb(0, 232, 194) }
```

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

Here you see how a box with a 4 pixel rgb(0, 232, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5942, 61.6083, 60.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 194) }
```

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

```
.background{ background-color: rgb(0, 232,  
194) }
```

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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