

Converting Colors

XYZ(38.9754, 61.7833, 62.8345)

Have a look what the booklet for
XYZ(38.9754, 61.7833, 62.8345)
contains.

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Color

**XYZ(38.9347, 61.7444,
62.6891)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8C5
RGB	0, 232, 197
RGB Percent	0%, 91%, 77%
CMY	0.9998, 0.0902, 0.2274
CMYK	1.00, 0.00, 0.15, 0.09
HSL	171°, 100%, 46%
HSV	171°, 100%, 91%
XYZ	38.9347, 61.7444, 62.6891
YIQ	158.6420, -127.0370, -60.0690

Conversions

Conversions Part 2

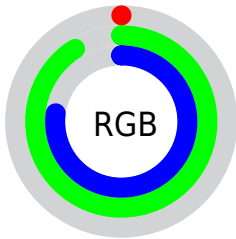
Format	Color
RYB	0, 125, 232
Decimal	59589
CIELab	82.78, -54.43, 3.92
CIElCh	83, 54.567, 175.877
Yxy	61.7444, 0.2383, 0.3779
Android (android.graphics.Color)	4278249669 (0xFF00E8C5)
YUV	158.6420, 18.9105, -139.1290
Hunter-Lab	78.5776, -49.0652, 7.7028

Details

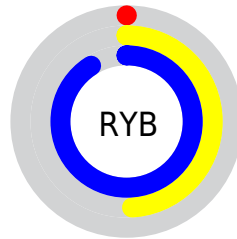
The XYZ color **38.9347, 61.7444, 62.6891** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **33.5845, 17.2791, 3.1592**, and the grayscale version is **32.7567, 34.4626, 37.5298**.

A 20% lighter version of the original color is **60.2049, 82.0553, 106.4310**, and **20.2879, 32.6431, 31.2181** is the 20% darker color. If you saturate the color by 10%, you get **38.9350, 61.7461, 62.6860**, and if you desaturate by 10%, it is **39.7009, 62.0940, 64.8450**.

Distribution



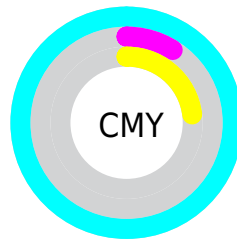
- Red (0%)
- Green (91%)
- Blue (77%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9347, 61.7444, 62.6891 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 38.9347, 61.7444, 62.6891 by changing the saturation by 10% instead.


 38.9347, 61.7444,
62.6891


 38.9347, 61.7444,
62.6891


332.8247,
430.9981, 452.5171


 26.8894, 44.8262,
45.1504


 72.8333, 107.3560,
110.3021


 17.6264, 31.3206,
31.2321


 95.4173, 136.8183,
141.2134

 10.7801, 20.8431,
20.5157


 122.2449,
171.2306, 177.4194

 5.9854, 13.0093,
12.5827

 153.6815,
210.9775, 219.3385

 2.8768, 7.4350,
7.0145

 190.0924,
256.4433, 267.3892

 1.0889, 3.7356,
3.3926

231.8430,

 0.0158, 1.5268,

308.0124, 321.9903

1.2984

279.2987,
366.0692, 383.5600

■ 0.0000, 0.3075,
0.0605

■ 0.0000, 0.0000,
0.0000

■ 38.9347, 61.7444,
62.6891

■ 38.9347, 61.7444,
62.6891

■ 38.9350, 61.7461,
62.6860

■ 39.7009, 62.0940,
64.8450

■ 40.9042, 62.6663,
67.0690

■ 42.6825, 63.5340,
69.3691

■ 45.1153, 64.7380,
71.7495

■ 48.2693, 66.3126,
74.2135

■ 52.2030, 68.2882,
76.7642

■ 56.9689, 70.6916,
79.4044

■ 62.6148, 73.5475,
82.1366

■ 69.1850, 76.8788,
84.9632

Harmonies

Analogous

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



41.9185, 61.7444, 37.1032



38.9347, 61.7444, 62.6891



40.6354, 61.7444, 99.5608

Triad

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



38.9347, 61.7444, 62.6891



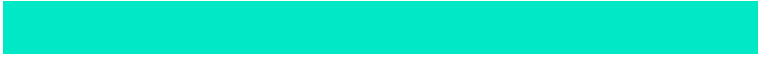
69.0953, 61.7444, 143.7443



72.2760, 61.7444, 26.6676

Complementary

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



38.9347, 61.7444, 62.6891



33.5845, 17.2791, 3.1592

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.



81.4191, 61.7444, 42.7855



38.9347, 61.7444, 62.6891



79.4176, 61.7444, 110.3867

Square

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



38.9347, 61.7444, 62.6891



57.0788, 61.7444, 154.4771



84.1916, 61.7444, 71.9833



60.3235, 61.7444, 21.1783

Rectangle

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



38.9347, 61.7444, 62.6891



44.3369, 61.7444, 125.1058



84.1916, 61.7444, 71.9833



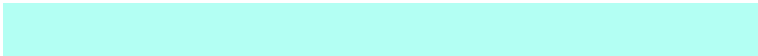
75.8389, 61.7444, 30.6918

Sweetspot

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



38.9364, 61.7468, 62.6906



70.4817, 87.5429, 98.3384



29.6836, 58.1409, 9.6593



14.5242, 18.4542, 20.7489



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.



38.9364, 61.7468, 62.6906



48.2221, 76.5048, 77.5446



26.2357, 29.1649, 80.5931



14.7091, 16.2970, 17.9986



21.6519, 34.2929, 34.9971



1.6255, 2.5443, 2.7203

Inverse Universe

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



33.5845, 17.2791, 3.1592



41.5976, 21.4031, 3.8133



35.9598, 22.5158, 2.4521



14.4652, 14.4033, 15.3841



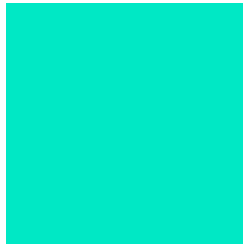
18.6721, 9.6031, 1.9024



1.4074, 0.7207, 0.2859

Previews

White Background



This preview shows how the XYZ color 38.9347, 61.7444, 62.6891 looks on a white background.

Color Contrast Check

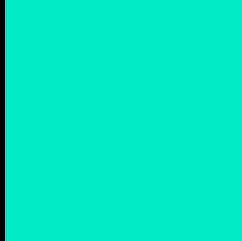
Large Text (above 18pt) WCAG AA × Fail

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 38.9347, 61.7444, 62.6891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

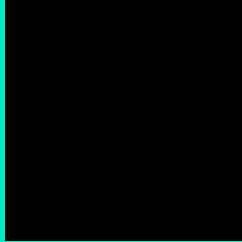
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

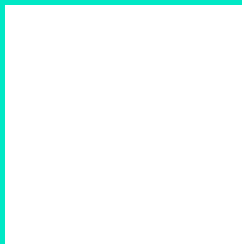
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9347, 61.7444, 62.6891

Background



This preview shows how black text looks on a background with the XYZ color 38.9347, 61.7444, 62.6891.



This preview shows how white text looks on a background with the XYZ color 38.9347, 61.7444,

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

38.9347, 61.7444, 62.6891

Protanopia

57.4769, 60.7093, 52.9447

Deuteranopia

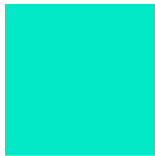
61.8336, 60.5951, 65.5638



Tritanopia

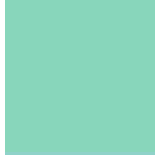
45.4343, 61.5059, 95.0651

Trichromacy



Original Color

38.9347, 61.7444, 62.6891



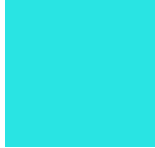
Protanomaly

43.1696, 56.9152, 55.7242



Deuteranomaly

44.9169, 56.1499, 63.7290



Tritanomaly

42.5230, 61.5043, 82.3034

Monochromacy



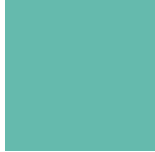
Original Color

38.9347, 61.7444, 62.6891



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.4686, 40.9016, 45.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9347, 61.7444, 62.6891 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.9347, 61.7444, 62.6891 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, 197) }
```


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

```
.border{ border-color:rgb(0, 232, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9347, 61.7444, 62.6891 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, 197) }
```

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

```
.background{ background-color: rgb(0, 232,  
197) }
```

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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