

Converting Colors

XYZ(39.3867, 64.2789, 57.8138)

Have a look what the booklet for
XYZ(39.3867, 64.2789, 57.8138)
contains.

XYZ(39.3613, 64.1992, 57.8941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3613, 64.1992,
57.8941)**

Conversions

Conversions Part 1

Format	Color
Hex	00EDBC
RGB	0, 237, 188
RGB Percent	0%, 93%, 74%
CMY	0.9998, 0.0706, 0.2627
CMYK	1.00, 0.00, 0.21, 0.07
HSL	168°, 100%, 46%
HSV	168°, 100%, 93%
XYZ	39.3613, 64.1992, 57.8941
YIQ	160.5510, -125.5230, -65.4830

Conversions

Conversions Part 2

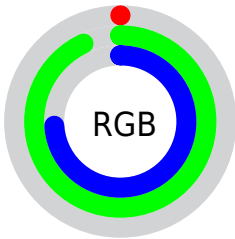
Format	Color
RYB	0, 132, 237
Decimal	60860
CIELab	84.07, -58.64, 10.51
CIELCh	84, 59.578, 169.843
Yxy	64.1992, 0.2438, 0.3976
Android (android.graphics.Color)	4278250940 (0xFF00EDBC)
YUV	160.5510, 13.5324, -140.8032
Hunter-Lab	80.1244, -52.5292, 13.2469

Details

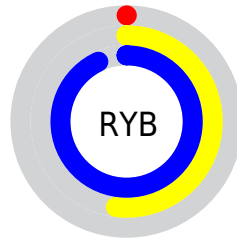
The XYZ color **39.3613, 64.1992, 57.8941** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.4820, 18.2281, 4.5586**, and the grayscale version is **33.6554, 35.4081, 38.5594**.

A 20% lighter version of the original color is **58.7712, 81.4964, 98.2208**, and **20.6944, 34.3918, 28.4692** is the 20% darker color. If you saturate the color by 10%, you get **39.3617, 64.2011, 57.8909**, and if you desaturate by 10%, it is **40.2706, 64.6075, 60.7434**.

Distribution



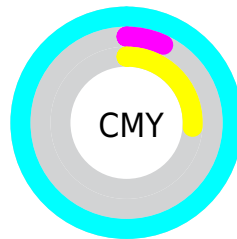
- Red (0%)
- Green (93%)
- Blue (74%)



- Red (0%)
- Yellow (52%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3613, 64.1992, 57.8941 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 39.3613, 64.1992, 57.8941 by changing the saturation by 10% instead.


 39.3613, 64.1992,
57.8941


 39.3613, 64.1992,
57.8941


334.6049,
439.9086, 434.3784


 27.2229, 46.8120,
41.3094


 73.4805, 110.8978,
103.2819

 17.8782, 32.8871,
28.2394


 96.1920, 140.9780,
132.9220


 10.9617, 22.0400,
18.2656

 123.1585,
176.0579, 167.7511

 6.1082, 13.8863,
10.9694

 154.7455,
216.5221, 208.1875

 2.9523, 8.0416,
5.9324

 191.3183,
262.7549, 254.6499

 1.1286, 4.1216,
2.7359

233.2422,

 0.0488, 1.7418,

315.1406, 307.5569

0.9614

280.8827,
374.0637, 367.3269

■ 0.0000, 0.4505,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3613, 64.1992,
57.8941

■ 39.3613, 64.1992,
57.8941

■ 39.3617, 64.2011,
57.8909

■ 40.2706, 64.6075,
60.7434

■ 41.6484, 65.2536,
63.7077

■ 43.6385, 66.2132,
66.7962

■ 46.3249, 67.5296,
70.0136

■ 49.7780, 69.2392,
73.3641

■ 54.0598, 71.3738,
76.8515

■ 59.2254, 73.9618,
80.4791

■ 65.3256, 77.0294,
84.2502

■ 72.4068, 80.6006,
88.1678

Harmonies

Analogous

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



43.6629, 64.1992, 32.8307



39.3613, 64.1992, 57.8941



40.1921, 64.1992, 97.4765

Triad

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



39.3613, 64.1992, 57.8941



70.0110, 64.1992, 162.5360



78.8207, 64.1992, 27.8787

Complementary

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



39.3613, 64.1992, 57.8941



35.4820, 18.2281, 4.5586

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.



88.0269, 64.1992, 48.0900



39.3613, 64.1992, 57.8941



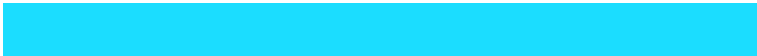
82.4560, 64.1992, 127.7715

Square

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



39.3613, 64.1992, 57.8941



56.6683, 64.1992, 168.1540



89.4452, 64.1992, 83.4651



65.5877, 64.1992, 20.1057

Rectangle

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



39.3613, 64.1992, 57.8941



43.5918, 64.1992, 127.3180



89.4452, 64.1992, 83.4651



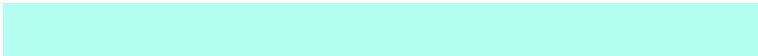
82.5648, 64.1992, 33.0146

Sweetspot

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



39.3631, 64.2017, 57.8956



69.8417, 87.2869, 94.9683



31.6701, 61.2844, 10.1610



14.3696, 18.3924, 19.9349



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.



39.3631, 64.2017, 57.8956



46.4525, 75.7970, 68.2260



29.6364, 34.8134, 85.2812



15.3765, 17.0654, 18.6653



21.5384, 35.0698, 31.8638



1.7248, 2.7672, 2.6787

Inverse Universe

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



35.4820, 18.2281, 4.5586



41.8764, 21.5146, 5.2815



36.9444, 22.0410, 2.3083



15.1929, 15.1050, 16.3009



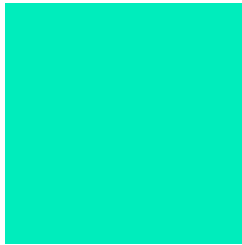
19.4087, 9.9662, 2.6874



1.5581, 0.7962, 0.3904

Previews

White Background



This preview shows how the XYZ color 39.3613, 64.1992, 57.8941 looks on a white background.

Color Contrast Check

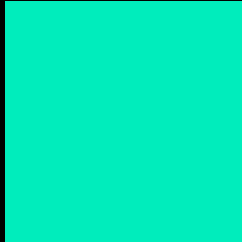
Large Text (above 18pt) WCAG AA × Fail

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 39.3613, 64.1992, 57.8941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

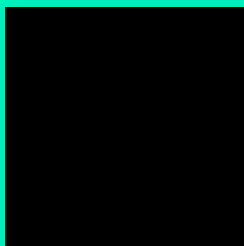
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

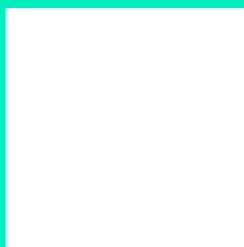
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3613, 64.1992, 57.8941

Background



This preview shows how black text looks on a background with the XYZ color 39.3613, 64.1992, 57.8941.

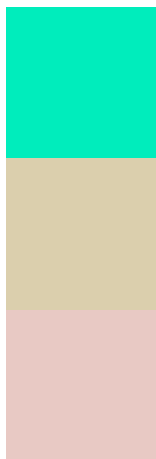


This preview shows how white text looks on a background with the XYZ color 39.3613, 64.1992,

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

39.3613, 64.1992, 57.8941

Protanopia

59.0691, 62.7028, 48.5247

Deuteranopia

64.1292, 62.9146, 60.9883



Tritanopia

47.6351, 64.1937, 98.6869

Trichromacy



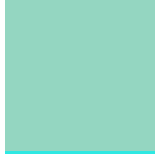
Original Color

39.3613, 64.1992, 57.8941



Protanomaly

43.7547, 58.8461, 51.1718



Deuteranomaly

45.8849, 58.2393, 59.2750



Tritanomaly

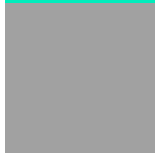
43.7108, 63.7851, 81.9595

Monochromacy



Original Color

39.3613, 64.1992, 57.8941



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.0278, 42.1602, 45.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3613, 64.1992, 57.8941 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, 237, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 188)  
}
```

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, 237, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 188) }
```

Border

The CSS property to change the border of an element to XYZ 39.3613, 64.1992, 57.8941 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, 237, 188) }
```


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

```
.border{ border-color:rgb(0, 237, 188) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3613, 64.1992, 57.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 188) }
```

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

```
.background{ background-color: rgb(0, 237,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor