

Converting Colors

XYZ(22.6365, 37.0888, 59.0097)

Have a look what the booklet for
XYZ(22.6365, 37.0888, 59.0097)
contains.

XYZ(28.0613, 39.9977, 59.0647)	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(28.0613, 39.9977,
59.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCC5
RGB	0, 188, 197
RGB Percent	0%, 74%, 77%
CMY	0.9998, 0.2627, 0.2274
CMYK	1.00, 0.05, 0.00, 0.23
HSL	183°, 100%, 39%
HSV	183°, 100%, 77%
XYZ	28.0613, 39.9977, 59.0647
YIQ	132.8140, -114.9370, -37.0570

Conversions

Conversions Part 2

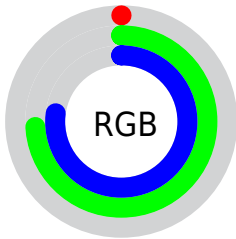
Format	Color
RYB	0, 96, 197
Decimal	48325
CIELab	69.47, -35.46, -15.75
CIELCh	69, 38.803, 203.953
Yxy	39.9977, 0.2207, 0.3146
Android (android.graphics.Color)	4278238405 (0xFF00BCC5)
YUV	132.8140, 31.6437, -116.4779
Hunter-Lab	63.2437, -31.4759, -11.1016

Details

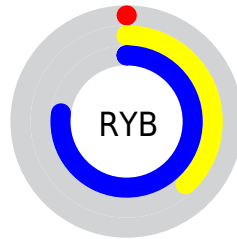
The XYZ color **28.0613, 39.9977, 59.0647** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **23.1247, 12.0669, 1.1116**, and the grayscale version is **22.1505, 23.3041, 25.3781**.

A 20% lighter version of the original color is **56.1353, 75.3441, 105.3502**, and **13.4830, 19.0334, 28.9498** is the 20% darker color. If you saturate the color by 10%, you get **28.0616, 39.9980, 59.0655**, and if you desaturate by 10%, it is **28.5382, 40.5307, 59.1432**.

Distribution



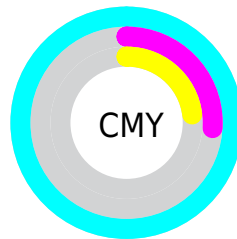
- Red (0%)
- Green (74%)
- Blue (77%)



- Red (0%)
- Yellow (38%)
- Blue (77%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0613, 39.9977, 59.0647 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 28.0613, 39.9977, 59.0647 by changing the saturation by 10% instead.


 28.0613, 39.9977,
59.0647


 28.0613, 39.9977,
59.0647


284.8345,
346.1139, 438.8502


 18.5126, 27.5368,
42.2449


 55.9903, 75.1600,
105.0017


 11.4205, 17.9767,
28.9661


 75.1012, 98.6302,
134.9560


 6.4198, 10.9333,
18.8098


 98.1302, 126.5388,
170.1255

 3.1451, 6.0220,
11.3575

 125.4427,
159.2704, 210.9288

 1.2309, 2.8585,
6.1906

 157.4040,
197.2093, 257.7843

 0.1306, 1.0583,
2.8907

194.3795,

 0.0000, 0.0000,

240.7400, 311.1107

1.0391

236.7346,
290.2467, 371.3265

■ 0.0000, 0.0000,
0.0000

■ 28.0613, 39.9977,
59.0647

■ 28.0613, 39.9977,
59.0647

■ 28.0616, 39.9980,
59.0655

■ 28.5382, 40.5307,
59.1432

■ 29.3026, 41.2129,
59.2346

■ 30.4565, 42.0976,
59.3445

■ 32.0523, 43.2120,
59.4755

■ 34.1344, 44.5789,
59.6296

■ 36.7418, 46.2184,
59.8086

■ 39.9096, 48.1485,
60.0142

■ 43.6696, 50.3857,
60.2479

■ 48.0515, 52.9454,
60.5110

Harmonies

Analogous

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



27.2783, 39.9977, 40.0263



28.0613, 39.9977, 59.0647



31.3769, 39.9977, 77.7098

Triad

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



28.0613, 39.9977, 59.0647



48.5800, 39.9977, 67.0941



39.2961, 39.9977, 17.5153

Complementary

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



28.0613, 39.9977, 59.0647



23.1247, 12.0669, 1.1116

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.



45.5326, 39.9977, 21.2361



28.0613, 39.9977, 59.0647



51.2574, 39.9977, 47.2762

Square

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



28.0613, 39.9977, 59.0647



43.1052, 39.9977, 83.1641



50.0854, 39.9977, 31.0231



33.3451, 39.9977, 19.0692

Rectangle

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



28.0613, 39.9977, 59.0647



34.7918, 39.9977, 85.6865



50.0854, 39.9977, 31.0231



41.4348, 39.9977, 18.1489

Sweetspot

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



28.0625, 39.9992, 59.0657



71.1802, 86.0545, 107.4663



20.0033, 39.9479, 6.8462



14.6932, 18.0908, 22.9674



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.



28.0625, 39.9992, 59.0657



50.2053, 71.5306, 105.7684



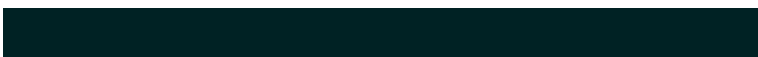
13.9022, 11.6784, 54.3456



10.9036, 11.9813, 13.6554



18.4743, 26.3425, 38.8553



0.8879, 1.2735, 1.8442

Inverse Universe

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



32.1042, 15.5024, 48.8787



57.4705, 27.7522, 87.3988



28.0871, 21.9916, 2.7657



11.0614, 10.8079, 13.3064



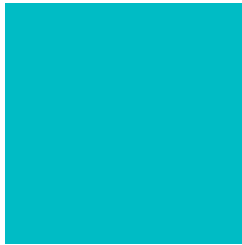
21.1243, 10.1993, 32.1941



1.0069, 0.4856, 1.5593

Previews

White Background



This preview shows how the XYZ color 28.0613, 39.9977, 59.0647 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 28.0613, 39.9977, 59.0647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

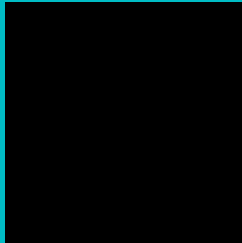
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

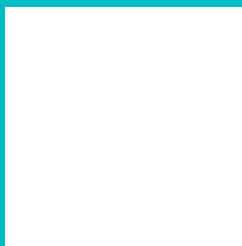
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0613, 39.9977, 59.0647

Background



This preview shows how black text looks on a background with the XYZ color 28.0613, 39.9977, 59.0647.

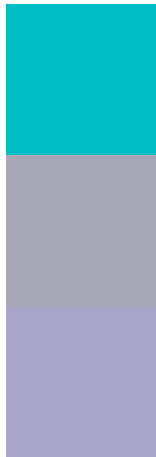


This preview shows how white text looks on a background with the XYZ color 28.0613, 39.9977,

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

28.0613, 39.9977, 59.0647

Protanopia

38.4068, 39.3136, 50.9114

Deuteranopia

40.2643, 39.4994, 61.3791



Tritanopia

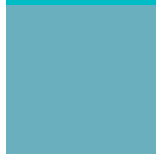
28.7843, 39.9871, 62.0783

Trichromacy



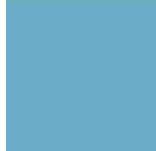
Original Color

28.0613, 39.9977, 59.0647



Protanomaly

30.4591, 37.3982, 53.7573



Deuteranomaly

31.4323, 37.1831, 60.1640



Tritanomaly

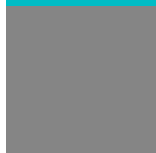
28.3927, 39.8123, 60.8317

Monochromacy



Original Color

28.0613, 39.9977, 59.0647



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.1383, 27.1141, 35.5719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0613, 39.9977, 59.0647 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, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 197) }
```

Border

The CSS property to change the border of an element to XYZ 28.0613, 39.9977, 59.0647 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, 188, 197) }
```


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

```
.border{ border-color:rgb(0, 188, 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, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0613, 39.9977, 59.0647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 197) }
```

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

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