

Converting Colors

XYZ(23.9974, 37.7680, 57.8249)

Have a look what the booklet for
XYZ(23.9974, 37.7680, 57.8249)
contains.

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Color

**XYZ(27.8335, 39.9066,
57.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCC3
RGB	0, 188, 195
RGB Percent	0%, 74%, 76%
CMY	0.9999, 0.2627, 0.2353
CMYK	1.00, 0.04, 0.00, 0.24
HSL	182°, 100%, 38%
HSV	182°, 100%, 76%
XYZ	27.8335, 39.9066, 57.8655
YIQ	132.5860, -114.2950, -37.6790

Conversions

Conversions Part 2

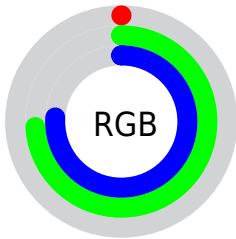
Format	Color
RYB	0, 96, 195
Decimal	48323
CIELab	69.40, -36.08, -14.75
CIELCh	69, 38.984, 202.239
Yxy	39.9066, 0.2216, 0.3177
Android (android.graphics.Color)	4278238403 (0xFF00BCC3)
YUV	132.5860, 30.7701, -116.2779
Hunter-Lab	63.1717, -31.9031, -10.0897

Details

The XYZ color **27.8335, 39.9066, 57.8655** 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 **22.5825, 11.7550, 1.0797**, and the grayscale version is **22.0700, 23.2193, 25.2858**.

A 20% lighter version of the original color is **55.8166, 75.2167, 103.6719**, and **13.3328, 18.9733, 28.1588** is the 20% darker color. If you saturate the color by 10%, you get **27.8340, 39.9073, 57.8664**, and if you desaturate by 10%, it is **28.2633, 40.3515, 57.9295**.

Distribution



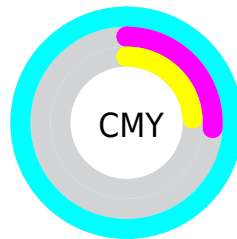
- Red (0%)
- Green (74%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8335, 39.9066, 57.8655 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 27.8335, 39.9066, 57.8655 by changing the saturation by 10% instead.

■ 27.8335, 39.9066,
57.8655

■ 27.8335, 39.9066,
57.8655

283.7650,
345.7297, 434.2688

■ 18.3400, 27.4657,
41.2865

■ 55.6290, 75.0213,
103.2398

■ 11.2955, 17.9233,
28.2217

■ 74.6617, 98.4639,
132.8722

■ 6.3347, 10.8949,
18.2523

■ 97.6049, 126.3425,
167.6929

■ 3.0923, 5.9962,
10.9600

■ 124.8239,
159.0415, 208.1204

■ 1.2027, 2.8428,
5.9261

■ 156.6840,
196.9454, 254.5732

■ 0.1085, 1.0502,
2.7321

193.5507,

■ 0.0000, 0.0000,

240.4384, 307.4698

0.9595

235.7892,
289.9051, 367.2288

■ 0.0000, 0.0000,
0.0000

■ 27.8335, 39.9066,
57.8655

■ 27.8335, 39.9066,
57.8655

■ 27.8340, 39.9073,
57.8664

■ 28.2633, 40.3515,
57.9295

■ 28.9729, 40.9409,
58.0058

■ 30.0624, 41.7273,
58.1002

■ 31.5831, 42.7370,
58.2149

■ 33.5782, 43.9924,
58.3521

■ 36.0856, 45.5129,
58.5134

■ 39.1396, 47.3163,
58.7006

■ 42.7713, 49.4186,
58.9149

■ 47.0095, 51.8347,
59.1579

Harmonies

Analogous

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



27.1989, 39.9066, 38.9554



27.8335, 39.9066, 57.8655



31.0188, 39.9066, 76.8446

Triad

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



27.8335, 39.9066, 57.8655



48.2767, 39.9066, 68.1973



39.5808, 39.9066, 17.4419

Complementary

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



27.8335, 39.9066, 57.8655



22.5825, 11.7550, 1.0797

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.



45.7984, 39.9066, 21.4798



27.8335, 39.9066, 57.8655



51.1669, 39.9066, 48.2809

Square

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



27.8335, 39.9066, 57.8655



42.6760, 39.9066, 83.8641



50.2133, 39.9066, 31.6550



33.5497, 39.9066, 18.6957

Rectangle

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



27.8335, 39.9066, 57.8655



34.3714, 39.9066, 85.3017



50.2133, 39.9066, 31.6550



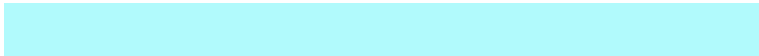
41.7261, 39.9066, 18.1750

Sweetspot

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



27.8347, 39.9081, 57.8665



69.8109, 84.5750, 105.1150



19.5516, 39.0453, 6.6937



14.7504, 18.2053, 22.9865



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.



27.8347, 39.9081, 57.8665



49.8090, 71.3906, 103.6244



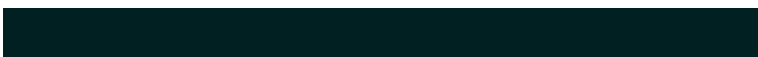
13.5937, 11.4259, 53.1194



10.3366, 11.3644, 12.9336



18.1041, 25.9648, 37.6141



0.7921, 1.1415, 1.6285

Inverse Universe

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



31.5838, 15.2340, 48.8544



56.5444, 27.2741, 87.3859



27.4582, 21.5064, 2.7050



10.4812, 10.2411, 12.6244



20.5341, 9.9034, 31.7883



0.8922, 0.4299, 1.3996

Previews

White Background



This preview shows how the XYZ color 27.8335, 39.9066, 57.8655 looks on a white background.

Color Contrast Check

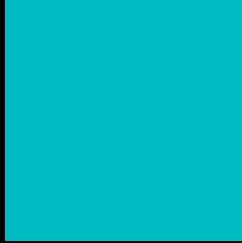
Large Text (above 18pt) WCAG AA × Fail

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 27.8335, 39.9066, 57.8655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

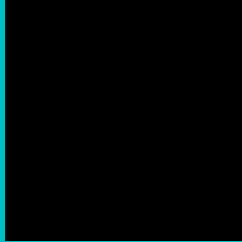
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

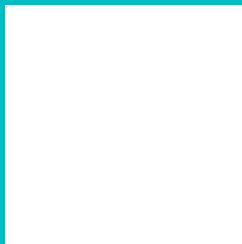
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8335, 39.9066, 57.8655

Background



This preview shows how black text looks on a background with the XYZ color 27.8335, 39.9066, 57.8655.



This preview shows how white text looks on a background with the XYZ color 27.8335, 39.9066,

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

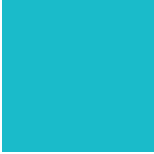
27.8335, 39.9066, 57.8655

Protanopia

38.1986, 39.2303, 49.8149

Deuteranopia

40.0630, 39.1561, 60.0899



Tritanopia

28.8570, 40.0245, 62.0817

Trichromacy



Original Color

27.8335, 39.9066, 57.8655



Protanomaly

30.2435, 37.3120, 52.6216



Deuteranomaly

31.3210, 37.1525, 58.9464



Tritanomaly

28.3103, 39.7833, 60.2197

Monochromacy



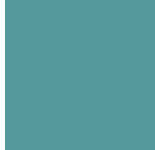
Original Color

27.8335, 39.9066, 57.8655



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 27.8335, 39.9066, 57.8655 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 195) }
```

Border

The CSS property to change the border of an element to XYZ 27.8335, 39.9066, 57.8655 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, 195) }
```


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

```
.border{ border-color:rgb(0, 188, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8335, 39.9066, 57.8655 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, 195) }
```

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

```
.background{ background-color: rgb(0, 188,  
195) }
```

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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