

Converting Colors

XYZ(27.3607, 38.0844, 60.4099)

Have a look what the booklet for
XYZ(27.3607, 38.0844, 60.4099)
contains.

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Color

**XYZ(27.3588, 38.0371,
60.5435)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7C8
RGB	0, 183, 200
RGB Percent	0%, 72%, 78%
CMY	0.9998, 0.2823, 0.2157
CMYK	1.00, 0.08, 0.00, 0.22
HSL	185°, 100%, 39%
HSV	185°, 100%, 78%
XYZ	27.3588, 38.0371, 60.5435
YIQ	130.2210, -114.5250, -33.5090

Conversions

Conversions Part 2

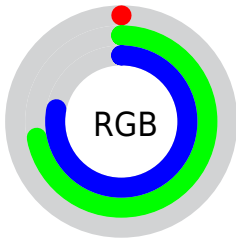
Format	Color
RYB	0, 96, 200
Decimal	47048
CIELab	68.05, -32.14, -19.55
CIElCh	68, 37.622, 211.312
Yxy	38.0371, 0.2172, 0.3020
Android (android.graphics.Color)	4278237128 (0xFF00B7C8)
YUV	130.2210, 34.4010, -114.2038
Hunter-Lab	61.6742, -28.7470, -15.0310

Details

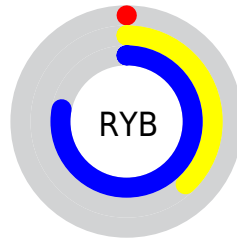
The XYZ color **27.3588, 38.0371, 60.5435** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **24.0211, 12.6818, 1.1830**, and the grayscale version is **21.2124, 22.3170, 24.3033**.

A 20% lighter version of the original color is **54.5100, 71.8366, 105.6006**, and **13.0386, 17.7758, 29.9380** is the 20% darker color. If you saturate the color by 10%, you get **27.3587, 38.0367, 60.5442**, and if you desaturate by 10%, it is **28.0017, 38.8930, 60.6756**.

Distribution



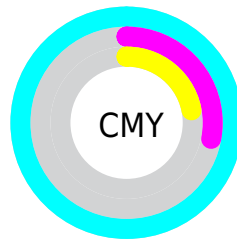
- Red (0%)
- Green (72%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3588, 38.0371, 60.5435 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 27.3588, 38.0371, 60.5435 by changing the saturation by 10% instead.

■ 27.3588, 38.0371,
60.5435

■ 27.3588, 38.0371,
60.5435

281.5262,
337.7791, 444.4583

■ 17.9809, 26.0115,
43.4287

■ 54.8749, 72.1650,
107.1688

■ 11.0358, 16.8322,
29.8877

■ 73.7438, 95.0361,
137.5163

■ 6.1584, 10.1149,
19.5021

■ 96.5071, 122.2911,
173.1118

■ 2.9832, 5.4752,
11.8531

■ 123.5300,
154.3144, 214.3739

■ 1.1449, 2.5287,
6.5224

■ 155.1781,
191.4905, 261.7211

■ 0.0622, 0.8910,
3.0914

191.8165,

■ 0.0000, 0.0000,

234.2037, 315.5718

1.1415

233.8108,
282.8385, 376.3447

■ 0.0000, 0.0000,
0.0000

■ 27.3588, 38.0371,
60.5435

■ 27.3588, 38.0371,
60.5435

■ 27.3587, 38.0367,
60.5442

■ 28.0017, 38.8930,
60.6756

■ 28.9461, 39.9100,
60.8221

■ 30.2968, 41.1428,
60.9888

■ 32.1083, 42.6194,
61.1784

■ 34.4267, 44.3637,
61.3929

■ 37.2923, 46.3965,
61.6342

■ 40.7417, 48.7367,
61.9041

■ 44.8080, 51.4014,
62.2041

■ 49.5219, 54.4063,
62.5357

Harmonies

Analogous

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



26.0214, 38.0371, 42.1588



27.3588, 38.0371, 60.5435



31.0113, 38.0371, 76.6476

Triad

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



27.3588, 38.0371, 60.5435



46.9613, 38.0371, 58.9109



35.8959, 38.0371, 16.8132

Complementary

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



27.3588, 38.0371, 60.5435



24.0211, 12.6818, 1.1830

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.



41.8340, 38.0371, 19.0739



27.3588, 38.0371, 60.5435



48.6230, 38.0371, 40.6818

Square

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



27.3588, 38.0371, 60.5435



42.3282, 38.0371, 75.5398



46.6550, 38.0371, 26.8121



30.6099, 38.0371, 19.5177

Rectangle

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



27.3588, 38.0371, 60.5435



34.4783, 38.0371, 82.1868



46.6550, 38.0371, 26.8121



37.8814, 38.0371, 17.0123

Sweetspot

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



27.3600, 38.0385, 60.5444



70.2453, 84.1848, 107.1547



20.7540, 41.3489, 7.4056



14.4658, 17.6361, 22.8916



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.



27.3600, 38.0385, 60.5444



47.2802, 65.6804, 104.7934



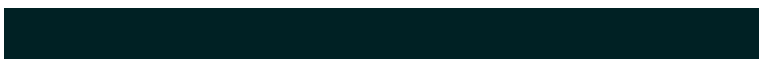
13.5468, 10.4120, 55.9400



10.8666, 11.9073, 13.6431



17.4279, 24.2498, 38.5065



0.8485, 1.1948, 1.8310

Inverse Universe

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



32.3677, 15.6995, 46.1255



55.9941, 27.1616, 79.6238



30.1446, 24.9290, 3.2242



11.0427, 10.8005, 13.2082



20.5961, 9.9880, 29.4129



0.9870, 0.4776, 1.4545

Previews

White Background



This preview shows how the XYZ color 27.3588, 38.0371, 60.5435 looks on a white background.

Color Contrast Check

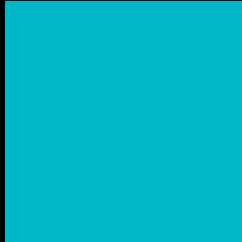
Large Text (above 18pt) WCAG AA × Fail

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 27.3588, 38.0371, 60.5435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

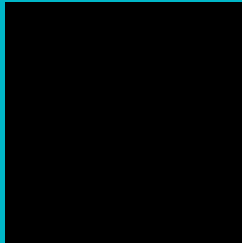
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

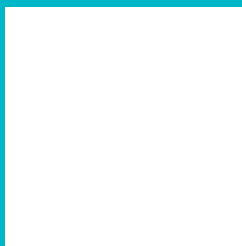
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3588, 38.0371, 60.5435

Background



This preview shows how black text looks on a background with the XYZ color 27.3588, 38.0371, 60.5435.

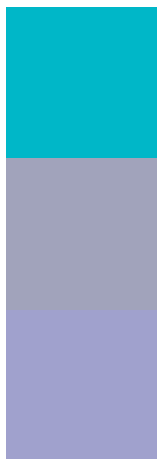


This preview shows how white text looks on a background with the XYZ color 27.3588, 38.0371,

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

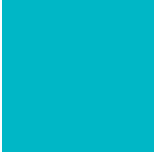
27.3588, 38.0371, 60.5435

Protanopia

36.7648, 37.3593, 52.2871

Deuteranopia

38.2615, 37.3711, 62.9544



Tritanopia

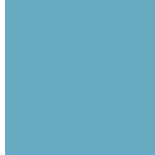
27.1265, 37.9442, 59.3203

Trichromacy



Original Color

27.3588, 38.0371, 60.5435



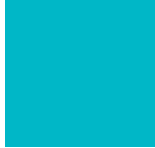
Protanomaly

29.3686, 35.3800, 55.1503



Deuteranomaly

30.4469, 35.5125, 61.7498



Tritanomaly

27.2423, 37.9905, 59.9299

Monochromacy



Original Color

27.3588, 38.0371, 60.5435



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.2311, 25.7004, 34.9047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3588, 38.0371, 60.5435 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, 183, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 200)  
}
```

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, 183, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 200) }
```

Border

The CSS property to change the border of an element to XYZ 27.3588, 38.0371, 60.5435 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, 183, 200) }
```


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

```
.border{ border-color:rgb(0, 183, 200) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3588, 38.0371, 60.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 200) }
```

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

```
.background{ background-color: rgb(0, 183,  
200) }
```

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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