

Converting Colors

XYZ(23.7098, 38.4196, 61.0132)

Have a look what the booklet for
XYZ(23.7098, 38.4196, 61.0132)
contains.

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Color

**XYZ(28.8388, 40.9970,
61.0368)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEC8
RGB	0, 190, 200
RGB Percent	0%, 75%, 78%
CMY	0.9998, 0.2549, 0.2157
CMYK	1.00, 0.05, 0.00, 0.22
HSL	183°, 100%, 39%
HSV	183°, 100%, 78%
XYZ	28.8388, 40.9970, 61.0368
YIQ	134.3300, -116.4500, -37.1700

Conversions

Conversions Part 2

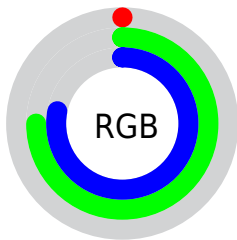
Format	Color
RYB	0, 97, 200
Decimal	48840
CIELab	70.17, -35.46, -16.33
CIELCh	70, 39.037, 204.732
Yxy	40.9970, 0.2204, 0.3133
Android (android.graphics.Color)	4278238920 (0xFF00BEC8)
YUV	134.3300, 32.3753, -117.8074
Hunter-Lab	64.0289, -31.6537, -11.6991

Details

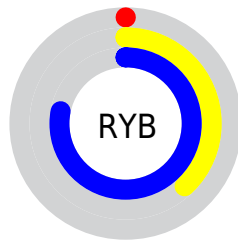
The XYZ color **28.8388, 40.9970, 61.0368** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **23.9291, 12.4977, 1.1525**, and the grayscale version is **22.7024, 23.8847, 26.0104**.

A 20% lighter version of the original color is **57.0197, 76.6846, 106.4041**, and **13.9925, 19.6836, 30.2560** is the 20% darker color. If you saturate the color by 10%, you get **28.8389, 40.9971, 61.0376**, and if you desaturate by 10%, it is **29.3463, 41.5822, 61.1238**.

Distribution



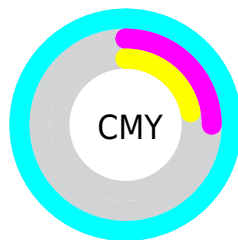
- Red (0%)
- Green (75%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8388, 40.9970, 61.0368 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 28.8388, 40.9970, 61.0368 by changing the saturation by 10% instead.

28.8388, 40.9970,
61.0368

28.8388, 40.9970,
61.0368

288.4616,
350.3081, 446.3192

19.1026, 28.3167,
43.8241

57.2202, 76.6793,
107.8903

11.8489, 18.5646,
30.1961

76.5961, 100.4502,
138.3681

6.7123, 11.3561,
19.7342

99.9159, 128.6867,
174.1048

3.3276, 6.3069,
12.0198

127.5451,
161.7733, 215.5188

1.3293, 3.0326,
6.6345

159.8488,
200.0944, 263.0287

0.2050, 1.1488,
3.1596

197.1926,

0.0000, 0.0192,

244.0342, 317.0531

1.1767

239.9417,
293.9773, 378.0104

■ 0.0000, 0.0000,
0.0000

■ 28.8388, 40.9970,
61.0368

■ 28.8388, 40.9970,
61.0368

■ 28.8389, 40.9971,
61.0376

■ 29.3463, 41.5822,
61.1238

■ 30.1527, 42.3228,
61.2242

■ 31.3625, 43.2736,
61.3440

■ 33.0303, 44.4627,
61.4856

■ 35.2023, 45.9139,
61.6512

■ 37.9187, 47.6481,
61.8428

■ 41.2160, 49.6839,
62.0620

■ 45.1275, 52.0386,
62.3103

■ 49.6837, 54.7279,
62.5893

Harmonies

Analogous

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



27.9682, 40.9970, 41.4853



28.8388, 40.9970, 61.0368



32.2943, 40.9970, 79.9696

Triad

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



28.8388, 40.9970, 61.0368



49.8826, 40.9970, 68.1933



40.1054, 40.9970, 17.9691

Complementary

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



28.8388, 40.9970, 61.0368



23.9291, 12.4977, 1.1525

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.



46.4995, 40.9970, 21.6331



28.8388, 40.9970, 61.0368



52.5253, 40.9970, 47.9481

Square

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



28.8388, 40.9970, 61.0368



44.3357, 40.9970, 84.8305



51.2244, 40.9970, 31.4770



34.0491, 40.9970, 19.7004

Rectangle

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



28.8388, 40.9970, 61.0368



35.8198, 40.9970, 87.9131



51.2244, 40.9970, 31.4770



42.2921, 40.9970, 18.5718

Sweetspot

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



28.8401, 40.9985, 61.0378



71.0768, 85.8477, 107.4319



20.7102, 41.3314, 7.1747



14.6680, 18.0405, 22.9590



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.



28.8401, 40.9985, 61.0378



49.8762, 70.8724, 105.6587



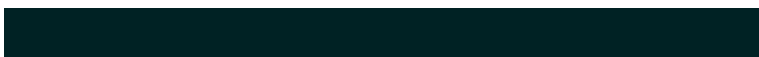
14.0845, 11.4874, 56.1193



10.8995, 11.9731, 13.6541



18.3567, 26.1072, 38.8161



0.8835, 1.2647, 1.8427

Inverse Universe

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



33.1148, 15.9984, 50.0593



57.3044, 27.6858, 86.5239



29.3984, 23.4364, 2.9756



11.0593, 10.8071, 13.2956



21.0649, 10.1755, 31.8814



1.0046, 0.4847, 1.5475

Previews

White Background



This preview shows how the XYZ color 28.8388, 40.9970, 61.0368 looks on a white background.

Color Contrast Check

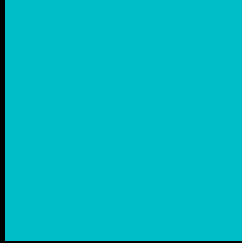
Large Text (above 18pt) WCAG AA × Fail

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 28.8388, 40.9970, 61.0368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

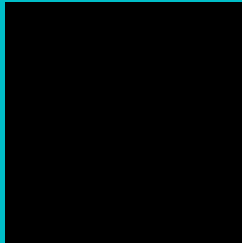
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

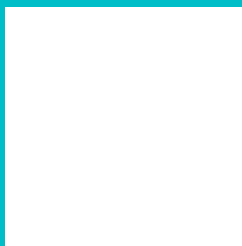
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8388, 40.9970, 61.0368

Background



This preview shows how black text looks on a background with the XYZ color 28.8388, 40.9970, 61.0368.

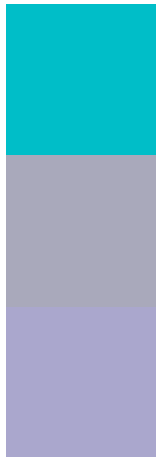


This preview shows how white text looks on a background with the XYZ color 28.8388, 40.9970,

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

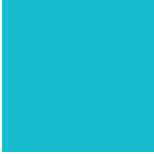
28.8388, 40.9970, 61.0368

Protanopia

39.5198, 40.3988, 52.7285

Deuteranopia

41.4157, 40.5913, 63.4097



Tritanopia

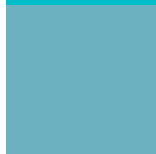
29.5479, 40.9735, 64.1090

Trichromacy



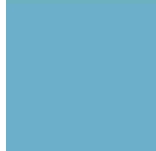
Original Color

28.8388, 40.9970, 61.0368



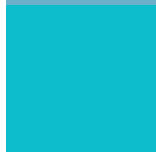
Protanomaly

31.4209, 38.4382, 55.6324



Deuteranomaly

32.2938, 38.1599, 62.1634



Tritanomaly

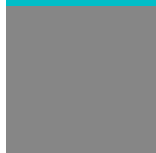
29.1582, 40.8004, 62.8384

Monochromacy



Original Color

28.8388, 40.9970, 61.0368



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.4735, 27.5111, 36.5262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8388, 40.9970, 61.0368 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, 190, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 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, 190, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 200) }
```

Border

The CSS property to change the border of an element to XYZ 28.8388, 40.9970, 61.0368 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, 190, 200) }
```


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

```
.border{ border-color:rgb(0, 190, 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, 190, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 190, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 190, 200); box-shadow:4px 4px 4px 4px rgb(0, 190, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8388, 40.9970, 61.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 200) }
```

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

```
.background{ background-color: rgb(0, 190,  
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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