

Converting Colors

XYZ(28.1580, 38.8775, 63.1468)

Have a look what the booklet for
XYZ(28.1580, 38.8775, 63.1468)
contains.

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Color

**XYZ(28.2480, 39.0576,
63.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9CC
RGB	0, 185, 204
RGB Percent	0%, 73%, 80%
CMY	0.9998, 0.2745, 0.2000
CMYK	1.00, 0.09, 0.00, 0.20
HSL	186°, 100%, 40%
HSV	186°, 100%, 80%
XYZ	28.2480, 39.0576, 63.1768
YIQ	131.8510, -116.3590, -33.3110

Conversions

Conversions Part 2

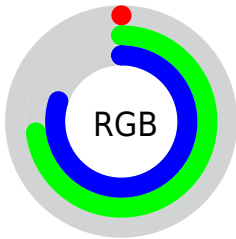
Format	Color
RYB	0, 97, 204
Decimal	47564
CIELab	68.79, -31.81, -20.62
CIELCh	69, 37.912, 212.946
Yxy	39.0576, 0.2165, 0.2993
Android (android.graphics.Color)	4278237644 (0xFF00B9CC)
YUV	131.8510, 35.5695, -115.6333
Hunter-Lab	62.4961, -28.6868, -16.1885

Details

The XYZ color **28.2480, 39.0576, 63.1768** 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 **25.1359, 13.3046, 1.2444**, and the grayscale version is **21.7891, 22.9239, 24.9641**.

A 20% lighter version of the original color is **55.2142, 73.0736, 105.8023**, and **13.6213, 18.4346, 31.6945** is the 20% darker color. If you saturate the color by 10%, you get **28.2480, 39.0573, 63.1775**, and if you desaturate by 10%, it is **28.9465, 40.0125, 63.3251**.

Distribution



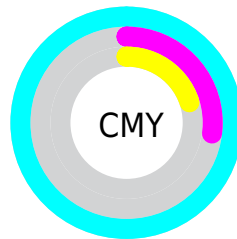
- Red (0%)
- Green (73%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2480, 39.0576, 63.1768 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 28.2480, 39.0576, 63.1768 by changing the saturation by 10% instead.

■ 28.2480, 39.0576,
63.1768

■ 28.2480, 39.0576,
63.1768

285.7087,
342.1353, 454.3364

■ 18.6541, 26.8045,
45.5423

■ 56.2860, 73.7263,
111.0126

■ 11.5231, 17.4265,
31.5388

■ 75.4609, 96.9107,
142.0510

■ 6.4897, 10.5390,
20.7476

■ 98.5600, 124.5077,
178.3944

■ 3.1886, 5.7578,
12.7502

■ 125.9489,
156.9017, 220.4615

■ 1.2542, 2.6984,
7.1280

■ 157.9929,
194.4771, 268.6707

■ 0.1486, 0.9764,
3.4626

195.0573,

■ 0.0000, 0.0000,

237.6182, 323.4405

1.3354

237.5074,
286.7095, 385.1896

■ 0.0000, 0.0000,
0.0906

■ 0.0000, 0.0000,
0.0000

■ 28.2480, 39.0576,
63.1768

■ 28.2480, 39.0576,
63.1768

■ 28.2480, 39.0573,
63.1775

■ 28.9465, 40.0125,
63.3251

■ 29.9625, 41.1384,
63.4888

■ 31.4046, 42.4917,
63.6740

■ 33.3300, 44.1023,
63.8834

■ 35.7873, 45.9950,
64.1192

■ 38.8188, 48.1918,
64.3835

■ 42.4628, 50.7124,
64.6779

■ 46.7543, 53.5748,
65.0043

■ 51.7253, 56.7958,
65.3640

Harmonies

Analogous

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



26.7400, 39.0576, 44.2500



28.2480, 39.0576, 63.1768



32.1127, 39.0576, 79.3200

Triad

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



28.2480, 39.0576, 63.1768



48.3909, 39.0576, 59.4199



36.5326, 39.0576, 17.3044

Complementary

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



28.2480, 39.0576, 63.1768



25.1359, 13.3046, 1.2444

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.



42.6292, 39.0576, 19.3435



28.2480, 39.0576, 63.1768



49.8964, 39.0576, 40.8495

Square

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



28.2480, 39.0576, 63.1768



43.7667, 39.0576, 76.7717



47.6859, 39.0576, 26.9525



31.1882, 39.0576, 20.3666

Rectangle

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



28.2480, 39.0576, 63.1768



35.7223, 39.0576, 84.5365



47.6859, 39.0576, 26.9525



38.5600, 39.0576, 17.4181

Sweetspot

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



28.2492, 39.0590, 63.1778



70.0538, 83.8017, 107.0909



21.6951, 43.2271, 7.7320



14.4193, 17.5430, 22.8761



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.



28.2492, 39.0590, 63.1778



46.6953, 64.5105, 104.5984



14.1500, 10.8606, 58.4780



11.4505, 12.5414, 14.3876



17.8160, 24.6561, 39.7764



0.9458, 1.3253, 2.0609

Inverse Universe

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



33.6598, 16.3413, 47.2806



55.6988, 27.0435, 78.0690



31.5012, 26.0353, 3.3661



11.6407, 11.3850, 13.9087



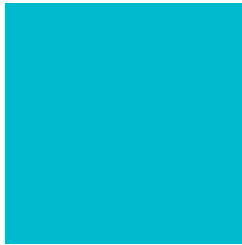
21.2036, 10.2920, 29.8546



1.1073, 0.5363, 1.6110

Previews

White Background



This preview shows how the XYZ color 28.2480, 39.0576, 63.1768 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 28.2480, 39.0576, 63.1768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

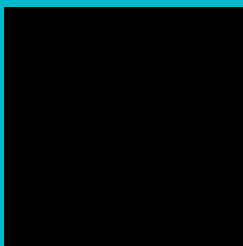
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

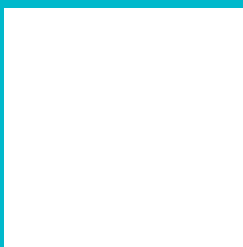
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2480, 39.0576, 63.1768

Background



This preview shows how black text looks on a background with the XYZ color 28.2480, 39.0576, 63.1768.



This preview shows how white text looks on a background with the XYZ color 28.2480, 39.0576,

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

28.2480, 39.0576, 63.1768

Protanopia

37.7594, 38.3532, 54.7030

Deuteranopia

39.3038, 38.3749, 65.6572



Tritanopia

27.7743, 38.8681, 60.6820

Trichromacy



Original Color

28.2480, 39.0576, 63.1768

Protanomaly

30.3098, 36.3741, 57.6480

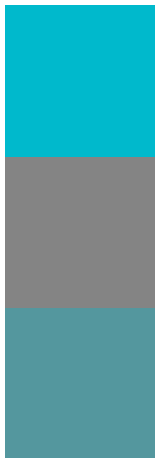
Deuteranomaly

31.3049, 36.4556, 64.4182

Tritanomaly

27.8916, 38.9150, 61.2996

Monochromacy



Original Color

28.2480, 39.0576, 63.1768

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.8943, 26.4867, 36.3589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2480, 39.0576, 63.1768 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, 185, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 204)  
}
```

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, 185, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.2480, 39.0576, 63.1768 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, 185, 204) }
```


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

```
.border{ border-color:rgb(0, 185, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 185, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 185, 204); box-shadow:4px 4px 4px 4px rgb(0, 185, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2480, 39.0576, 63.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 204) }
```

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

```
.background{ background-color: rgb(0, 185,  
204) }
```

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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