

Converting Colors

XYZ(28.3871, 39.3356, 63.2231)

Have a look what the booklet for
XYZ(28.3871, 39.3356, 63.2231)
contains.

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Color

**XYZ(28.4580, 39.4774,
63.2468)**

Conversions

Conversions Part 1

Format	Color
Hex	00BACC
RGB	0, 186, 204
RGB Percent	0%, 73%, 80%
CMY	0.9998, 0.2706, 0.2000
CMYK	1.00, 0.09, 0.00, 0.20
HSL	185°, 100%, 40%
HSV	185°, 100%, 80%
XYZ	28.4580, 39.4774, 63.2468
YIQ	132.4380, -116.6340, -33.8340

Conversions

Conversions Part 2

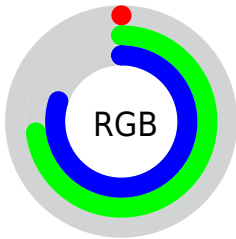
Format	Color
RYB	0, 97, 204
Decimal	47820
CIELab	69.10, -32.29, -20.16
CIELCh	69, 38.070, 211.971
Yxy	39.4774, 0.2169, 0.3009
Android (android.graphics.Color)	4278237900 (0xFF00BACC)
YUV	132.4380, 35.2801, -116.1481
Hunter-Lab	62.8310, -29.1065, -15.7006

Details

The XYZ color **28.4580, 39.4774, 63.2468** 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 **25.1195, 13.2718, 1.2392**, and the grayscale version is **22.0026, 23.1485, 25.2087**.

A 20% lighter version of the original color is **55.8095, 74.2642, 106.0007**, and **13.7563, 18.7045, 31.7395** is the 20% darker color. If you saturate the color by 10%, you get **28.4577, 39.4767, 63.2474**, and if you desaturate by 10%, it is **29.1380, 40.3954, 63.3889**.

Distribution



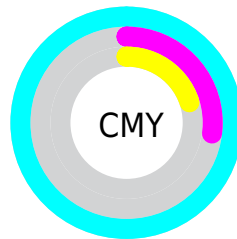
- Red (0%)
- Green (73%)
- Blue (80%)



- 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 28.4580, 39.4774, 63.2468 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 28.4580, 39.4774, 63.2468 by changing the saturation by 10% instead.

■ 28.4580, 39.4774,
63.2468

■ 28.4580, 39.4774,
63.2468

286.6895,
343.9159, 454.5972

■ 18.8134, 27.1313,
45.5986

■ 56.6184, 74.3671,
111.1145

■ 11.6387, 17.6719,
31.5828

■ 75.8649, 97.6794,
142.1711

■ 6.5686, 10.7147,
20.7809

■ 99.0427, 125.4160,
178.5343

■ 3.2377, 5.8753,
12.7742

■ 126.5173,
157.9612, 220.6225

■ 1.2807, 2.7694,
7.1444

■ 158.6539,
195.6994, 268.8544

■ 0.1687, 1.0126,
3.4727

195.8179,

■ 0.0000, 0.0000,

239.0150, 323.6484

1.3408

238.3746,
288.2924, 385.4232

■ 0.0000, 0.0000,
0.0949

■ 0.0000, 0.0000,
0.0000

■ 28.4580, 39.4774,
63.2468

■ 28.4580, 39.4774,
63.2468

■ 28.4577, 39.4767,
63.2474

■ 29.1380, 40.3954,
63.3889

■ 30.1353, 41.4832,
63.5463

■ 31.5580, 42.7975,
63.7250

■ 33.4635, 44.3679,
63.9277

■ 35.9003, 46.2194,
64.1566

■ 38.9109, 48.3739,
64.4138

■ 42.5335, 50.8511,
64.7010

■ 46.8029, 53.6690,
65.0199

■ 51.7514, 56.8443,
65.3720

Harmonies

Analogous

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



27.0150, 39.4774, 44.1455



28.4580, 39.4774, 63.2468



32.2954, 39.4774, 79.8013

Triad

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



28.4580, 39.4774, 63.2468



48.8088, 39.4774, 60.7027



37.1216, 39.4774, 17.4661

Complementary

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



28.4580, 39.4774, 63.2468



25.1195, 13.2718, 1.2392

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.



43.2844, 39.4774, 19.6969



28.4580, 39.4774, 63.2468



50.4516, 39.4774, 41.8434

Square

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



28.4580, 39.4774, 63.2468



44.0545, 39.4774, 78.0753



48.3315, 39.4774, 27.5899



31.6696, 39.4774, 20.3890

Rectangle

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



28.4580, 39.4774, 63.2468



35.9138, 39.4774, 85.3582



48.3315, 39.4774, 27.5899



39.1776, 39.4774, 17.6357

Sweetspot

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



28.4593, 39.4788, 63.2478



70.1690, 84.0322, 107.1293



21.6953, 43.2273, 7.7324



14.4473, 17.5990, 22.8854



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.



28.4593, 39.4788, 63.2478



47.0465, 65.2129, 104.7155



14.1506, 10.8616, 58.4782



11.4553, 12.5511, 14.3892



17.9463, 24.9167, 39.8198



0.9512, 1.3362, 2.0627

Inverse Universe

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



33.7659, 16.3839, 47.8384



55.8761, 27.1144, 79.0026



31.5018, 26.0363, 3.3666



11.6432, 11.3860, 13.9216



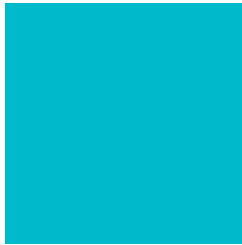
21.2694, 10.3183, 30.2010



1.1101, 0.5374, 1.6256

Previews

White Background



This preview shows how the XYZ color 28.4580, 39.4774, 63.2468 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 28.4580, 39.4774, 63.2468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

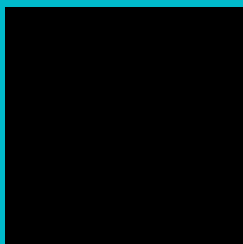
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

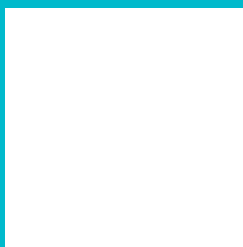
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4580, 39.4774, 63.2468

Background



This preview shows how black text looks on a background with the XYZ color 28.4580, 39.4774, 63.2468.

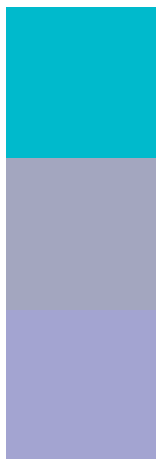


This preview shows how white text looks on a background with the XYZ color 28.4580, 39.4774,

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

28.4580, 39.4774, 63.2468

Protanopia

38.1444, 38.8206, 54.7729

Deuteranopia

39.8883, 38.9409, 65.7356



Tritanopia

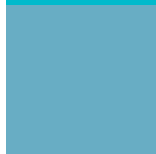
28.1015, 39.3349, 61.3696

Trichromacy



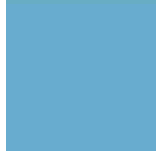
Original Color

28.4580, 39.4774, 63.2468



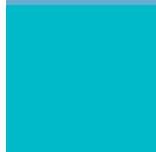
Protanomaly

30.6163, 36.8157, 57.7170



Deuteranomaly

31.7239, 36.9531, 64.4921



Tritanomaly

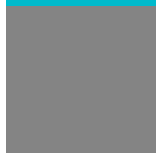
28.2196, 39.3821, 61.9913

Monochromacy



Original Color

28.4580, 39.4774, 63.2468



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.0559, 26.8099, 36.4128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4580, 39.4774, 63.2468 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, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 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, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.4580, 39.4774, 63.2468 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, 186, 204) }
```


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

```
.border{ border-color:rgb(0, 186, 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, 186, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4580, 39.4774, 63.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 204) }
```

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

```
.background{ background-color: rgb(0, 186,  
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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