

Converting Colors

XYZ(22.6173, 35.0841, 69.2129)

Have a look what the booklet for
XYZ(22.6173, 35.0841, 69.2129)
contains.

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Color

**XYZ(28.8655, 38.3109,
69.4917)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6D6
RGB	0, 182, 214
RGB Percent	0%, 71%, 84%
CMY	0.9998, 0.2863, 0.1608
CMYK	1.00, 0.15, 0.00, 0.16
HSL	189°, 100%, 42%
HSV	189°, 100%, 84%
XYZ	28.8655, 38.3109, 69.4917
YIQ	131.2300, -118.7440, -28.6320

Conversions

Conversions Part 2

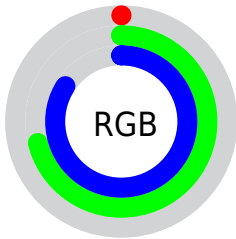
Format	Color
RYB	0, 98, 214
Decimal	46806
CIELab	68.25, -27.06, -26.94
CIELCh	68, 38.180, 224.874
Yxy	38.3109, 0.2112, 0.2803
Android (android.graphics.Color)	4278236886 (0xFF00B6D6)
YUV	131.2300, 40.8056, -115.0887
Hunter-Lab	61.8958, -25.0730, -23.2391

Details

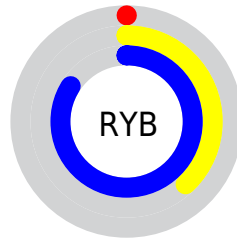
The XYZ color **28.8655, 38.3109, 69.4917** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **28.2499, 15.3320, 1.4718**, and the grayscale version is **21.5502, 22.6725, 24.6904**.

A 20% lighter version of the original color is **54.4502, 71.3723, 105.5142**, and **14.1083, 18.2037, 35.5710** is the 20% darker color. If you saturate the color by 10%, you get **28.8647, 38.3090, 69.4921**, and if you desaturate by 10%, it is **29.8480, 39.8024, 69.7285**.

Distribution



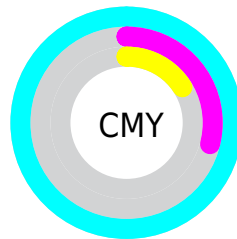
- Red (0%)
- Green (71%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8655, 38.3109, 69.4917 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 28.8655, 38.3109, 69.4917 by changing the saturation by 10% instead.

■ 28.8655, 38.3109,
69.4917

■ 28.8655, 38.3109,
69.4917

288.5855,
338.9518, 477.5041

■ 19.1229, 26.2241,
50.6380

■ 57.2624, 72.5844,
120.1579

■ 11.8636, 16.9913,
35.5459

■ 76.6473, 95.5399,
152.8075

■ 6.7224, 10.2283,
23.7968

■ 99.9771, 122.8871,
190.8928

■ 3.3339, 5.5506,
14.9721

■ 127.6170,
155.0103, 234.8324

■ 1.3327, 2.5738,
8.6534

■ 159.9324,
192.2940, 285.0448

■ 0.2075, 0.9135,
4.4221

197.2888,

■ 0.0000, 0.0000,

235.1225, 341.9485

1.8596

240.0513,
283.8803, 405.9621

■ 0.0000, 0.0000,
0.4669

■ 0.0000, 0.0000,
0.0000

■ 28.8655, 38.3109,
69.4917

■ 28.8655, 38.3109,
69.4917

■ 28.8647, 38.3090,
69.4921

■ 29.8480, 39.8024,
69.7285

■ 31.1972, 41.5045,
69.9860

■ 33.0311, 43.4791,
70.2705

■ 35.4146, 45.7597,
70.5850

■ 38.4023, 48.3745,
70.9323

■ 42.0422, 51.3485,
71.3145

■ 46.3773, 54.7040,
71.7337

■ 51.4468, 58.4614,
72.1917

■ 57.2873, 62.6396,
72.6904

Harmonies

Analogous

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



26.4026, 38.3109, 50.7399



28.8655, 38.3109, 69.4917



33.4978, 38.3109, 82.2062

Triad

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



28.8655, 38.3109, 69.4917



48.6642, 38.3109, 50.8996



33.5440, 38.3109, 17.3153

Complementary

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



28.8655, 38.3109, 69.4917



28.2499, 15.3320, 1.4718

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.



39.4934, 38.3109, 17.3362



28.8655, 38.3109, 69.4917



48.6801, 38.3109, 33.8275

Square

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



28.8655, 38.3109, 69.4917



45.1328, 38.3109, 69.6358



45.1741, 38.3109, 22.5442



28.8962, 38.3109, 22.4763

Rectangle

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



28.8655, 38.3109, 69.4917



37.3979, 38.3109, 83.8211



45.1741, 38.3109, 22.5442



35.4462, 38.3109, 16.7739

Sweetspot

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



28.8668, 38.3123, 69.4926



68.7431, 81.1803, 106.6540



24.2640, 48.1806, 9.1560



14.1016, 16.9076, 22.7702



0.0000, 0.0000, 0.0000



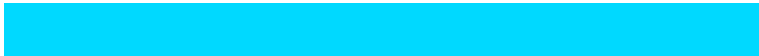
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8668, 38.3123, 69.4926



42.8273, 56.7747, 103.3091



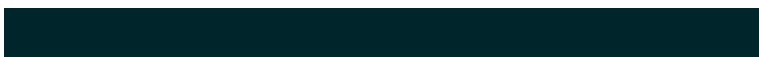
14.8982, 10.3752, 64.8365



12.6266, 13.7766, 15.9312



17.5073, 23.2765, 42.0232



1.0999, 1.4918, 2.5493

Inverse Universe

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



36.1761, 17.6749, 45.7621



53.7465, 26.2626, 67.7881



36.4733, 31.7787, 4.2129



12.8695, 12.5993, 15.2529



21.8958, 10.6946, 27.8188



1.3428, 0.6539, 1.7947

Previews

White Background



This preview shows how the XYZ color 28.8655, 38.3109, 69.4917 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 28.8655, 38.3109, 69.4917 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

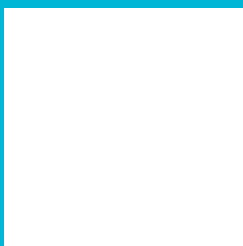
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8655, 38.3109, 69.4917

Background



This preview shows how black text looks on a background with the XYZ color 28.8655, 38.3109, 69.4917.

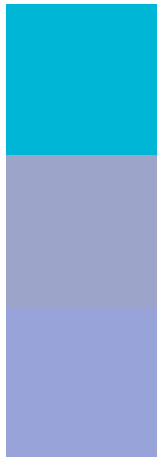


This preview shows how white text looks on a background with the XYZ color 28.8655, 38.3109,

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

28.8655, 38.3109, 69.4917

Protanopia

37.7227, 37.9361, 60.5925

Deuteranopia

38.7010, 37.9317, 71.6115



Tritanopia

27.3335, 38.3582, 59.3893

Trichromacy



Original Color

28.8655, 38.3109, 69.4917

Protanomaly

30.9590, 36.2914, 63.7657

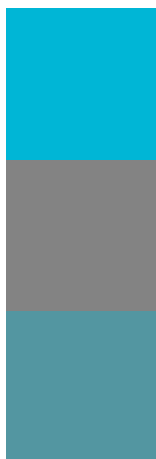
Deuteranomaly

31.8289, 36.3006, 70.9748

Tritanomaly

27.8326, 38.2266, 63.0383

Monochromacy



Original Color

28.8655, 38.3109, 69.4917

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9066, 26.2249, 37.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8655, 38.3109, 69.4917 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, 182, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 214)  
}
```

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, 182, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 214) }
```

Border

The CSS property to change the border of an element to XYZ 28.8655, 38.3109, 69.4917 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, 182, 214) }
```


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

```
.border{ border-color:rgb(0, 182, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 182, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8655, 38.3109, 69.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 214) }
```

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

```
.background{ background-color: rgb(0, 182,  
214) }
```

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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