

Converting Colors

XYZ(29.3258, 39.7084, 68.1750)

Have a look what the booklet for
XYZ(29.3258, 39.7084, 68.1750)
contains.

XYZ(29.4426, 39.8713, 68.4315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4426, 39.8713,
68.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAD4
RGB	0, 186, 212
RGB Percent	0%, 73%, 83%
CMY	0.9998, 0.2706, 0.1686
CMYK	1.00, 0.12, 0.00, 0.17
HSL	187°, 100%, 42%
HSV	187°, 100%, 83%
XYZ	29.4426, 39.8713, 68.4315
YIQ	133.3500, -119.2020, -31.3460

Conversions

Conversions Part 2

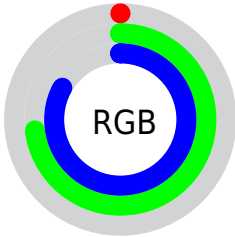
Format	Color
RYB	0, 99, 212
Decimal	47828
CIELab	69.38, -29.70, -24.11
CIELCh	69, 38.253, 219.074
Yxy	39.8713, 0.2137, 0.2895
Android (android.graphics.Color)	4278237908 (0xFF00BAD4)
YUV	133.3500, 38.7745, -116.9479
Hunter-Lab	63.1437, -27.2707, -20.0544

Details

The XYZ color **29.4426, 39.8713, 68.4315** 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 **27.5225, 14.7384, 1.3957**, and the grayscale version is **22.3221, 23.4846, 25.5748**.

A 20% lighter version of the original color is **55.6278, 73.7275, 105.9067**, and **14.3371, 18.9368, 34.7978** is the 20% darker color. If you saturate the color by 10%, you get **29.4419, 39.8697, 68.4320**, and if you desaturate by 10%, it is **30.3108, 41.1403, 68.6315**.

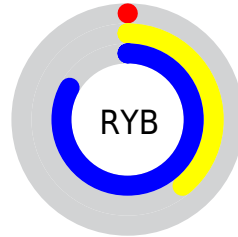
Distribution



Red (0%)

Green (73%)

Blue (83%)



Red (0%)

Yellow (39%)

Blue (83%)

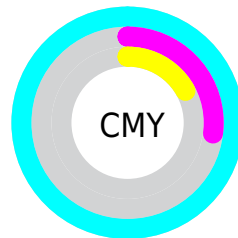


Cyan (100%)

Magenta (12%)

Yellow (0%)

Black (17%)



Cyan (100%)

Magenta (27%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4426, 39.8713, 68.4315 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 29.4426, 39.8713, 68.4315 by changing the saturation by 10% instead.

■ 29.4426, 39.8713,
68.4315

■ 29.4426, 39.8713,
68.4315

291.2542,
345.5808, 473.6628

■ 19.5619, 27.4382,
49.7800

■ 58.1723, 74.9675,
118.6293

■ 12.1834, 17.9026,
34.8687

■ 77.7519, 98.3994,
151.0126

■ 6.9418, 10.8801,
23.2790

■ 101.2952,
126.2663, 188.8103

■ 3.4717, 5.9863,
14.5924

■ 129.1675,
158.9528, 232.4408

■ 1.4078, 2.8367,
8.3904

■ 161.7342,
196.8430, 282.3228

■ 0.2618, 1.0471,
4.2544

199.3607,

■ 0.0000, 0.0000,

240.3215, 338.8748

1.7659

242.4122,
289.7727, 402.5153

■ 0.0000, 0.0000,
0.4053

■ 0.0000, 0.0000,
0.0000

■ 29.4426, 39.8713,
68.4315

■ 29.4426, 39.8713,
68.4315

■ 29.4419, 39.8697,
68.4320

■ 30.3108, 41.1403,
68.6315

■ 31.5325, 42.6058,
68.8499

■ 33.2238, 44.3283,
69.0933

■ 35.4481, 46.3405,
69.3644

■ 38.2585, 48.6701,
69.6660

■ 41.7020, 51.3412,
70.0000

■ 45.8205, 54.3755,
70.3687

■ 50.6524, 57.7929,
70.7736

■ 56.2332, 61.6118,
71.2166

Harmonies

Analogous

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



27.3837, 39.8713, 48.9727



29.4426, 39.8713, 68.4315



33.8305, 39.8713, 83.3194

Triad

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



29.4426, 39.8713, 68.4315



50.0410, 39.8713, 56.6574



36.0630, 39.8713, 17.8347

Complementary

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



29.4426, 39.8713, 68.4315



27.5225, 14.7384, 1.3957

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.



42.2758, 39.8713, 18.8530



29.4426, 39.8713, 68.4315



50.8049, 39.8713, 38.2910

Square

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



29.4426, 39.8713, 68.4315



45.8441, 39.8713, 75.3446



47.8310, 39.8713, 25.3834



30.9249, 39.8713, 22.0828

Rectangle

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



29.4426, 39.8713, 68.4315



37.7059, 39.8713, 86.8075



47.8310, 39.8713, 25.3834



38.0877, 39.8713, 17.6041

Sweetspot

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



29.4439, 39.8727, 68.4325



69.3642, 82.4225, 106.8610



23.7175, 47.1571, 8.7595



14.2520, 17.2084, 22.8203



0.0000, 0.0000, 0.0000



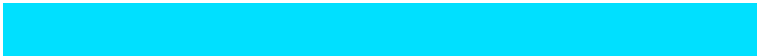
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4439, 39.8727, 68.4325



44.6306, 60.3812, 103.9102



14.8492, 10.6833, 63.5676



12.6562, 13.8357, 15.9410



18.2256, 24.7130, 42.2627



1.1366, 1.5653, 2.5615

Inverse Universe

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



36.0155, 17.5436, 47.9438



54.6567, 26.6267, 72.5812



35.2353, 30.1639, 3.9666



12.8844, 12.6053, 15.3314



22.2583, 10.8396, 29.7280



1.3614, 0.6613, 1.8924

Previews

White Background



This preview shows how the XYZ color 29.4426, 39.8713, 68.4315 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 29.4426, 39.8713, 68.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

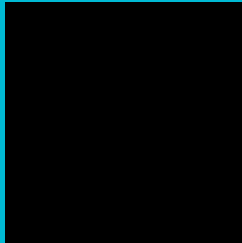
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4426, 39.8713, 68.4315

Background



This preview shows how black text looks on a background with the XYZ color 29.4426, 39.8713, 68.4315.



This preview shows how white text looks on a background with the XYZ color 29.4426, 39.8713,

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

29.4426, 39.8713, 68.4315

Protanopia

39.0278, 39.4423, 59.5890

Deuteranopia

40.2776, 39.2909, 71.1067



Tritanopia

28.4310, 39.8049, 62.0618

Trichromacy



Original Color

29.4426, 39.8713, 68.4315



Protanomaly

31.6287, 37.5153, 62.7009



Deuteranomaly

32.5761, 37.5601, 69.8229



Tritanomaly

28.9109, 39.9969, 64.5889

Monochromacy



Original Color

29.4426, 39.8713, 68.4315



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.4961, 26.9964, 38.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4426, 39.8713, 68.4315 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 212) }
```

Border

The CSS property to change the border of an element to XYZ 29.4426, 39.8713, 68.4315 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, 212) }
```


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

```
.border{ border-color:rgb(0, 186, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4426, 39.8713, 68.4315 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, 212) }
```

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

```
.background{ background-color: rgb(0, 186,  
212) }
```

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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