

Converting Colors

XYZ(23.2156, 31.5595, 71.3348)

Have a look what the booklet for
XYZ(23.2156, 31.5595, 71.3348)
contains.

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Color

**XYZ(26.8429, 33.4379,
71.3691)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9DA
RGB	0, 169, 218
RGB Percent	0%, 66%, 85%
CMY	0.9998, 0.3372, 0.1451
CMYK	1.00, 0.22, 0.00, 0.15
HSL	193°, 100%, 43%
HSV	193°, 100%, 85%
XYZ	26.8429, 33.4379, 71.3691
YIQ	124.0550, -116.4530, -20.5890

Conversions

Conversions Part 2

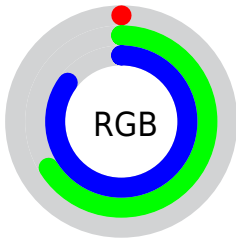
Format	Color
RYB	0, 95, 218
Decimal	43482
CIELab	64.51, -19.00, -34.91
CIELCh	65, 39.749, 241.449
Yxy	33.4379, 0.2039, 0.2540
Android (android.graphics.Color)	4278233562 (0xFF00A9DA)
YUV	124.0550, 46.3149, -108.7962
Hunter-Lab	57.8255, -18.3340, -32.6987

Details

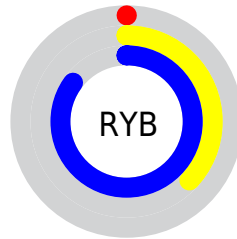
The XYZ color **26.8429, 33.4379, 71.3691** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.0147, 17.1070, 1.7217**, and the grayscale version is **19.0609, 20.0536, 21.8383**.

A 20% lighter version of the original color is **50.4146, 63.4744, 104.2024**, and **12.9721, 15.3669, 36.9327** is the 20% darker color. If you saturate the color by 10%, you get **26.8410, 33.4339, 71.3691**, and if you desaturate by 10%, it is **28.1001, 35.4657, 71.6949**.

Distribution



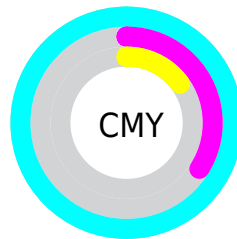
- Red (0%)
- Green (66%)
- Blue (85%)



- Red (0%)
- Yellow (37%)
- Blue (85%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8429, 33.4379, 71.3691 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 26.8429, 33.4379, 71.3691 by changing the saturation by 10% instead.

■ 26.8429, 33.4379,
71.3691

■ 26.8429, 33.4379,
71.3691

279.0771,
317.6183, 484.2611

■ 17.5912, 22.4621,
52.1598

■ 54.0533, 65.0586,
122.8585

■ 10.7548, 14.1968,
36.7493

■ 72.7428, 86.4723,
155.9756

■ 5.9683, 8.2577,
24.7192

■ 95.3090, 112.1341,
194.5658

■ 2.8663, 4.2603,
15.6509

■ 122.1172,
142.4284, 239.0476

■ 1.0835, 1.8202,
9.1258

■ 153.5327,
177.7396, 289.8394

■ 0.0112, 0.4997,
4.7254

189.9210,

■ 0.0000, 0.0000,

218.4520, 347.3599

2.0311

231.6473,
264.9501, 412.0276

■ 0.0000, 0.0000,
0.5743

■ 0.0000, 0.0000,
0.0000

■ 26.8429, 33.4379,
71.3691

■ 26.8429, 33.4379,
71.3691

■ 26.8410, 33.4339,
71.3691

■ 28.1001, 35.4657,
71.6949

■ 29.7600, 37.7517,
72.0487

■ 31.9448, 40.3603,
72.4370

■ 34.7227, 43.3269,
72.8632

■ 38.1512, 46.6818,
73.3301

■ 42.2808, 50.4514,
73.8401

■ 47.1567, 54.6596,
74.3953

■ 52.8202, 59.3283,
74.9980

■ 59.3097, 64.4776,
75.6499

Harmonies

Analogous

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



23.3461, 33.4379, 55.2848



26.8429, 33.4379, 71.3691



32.0587, 33.4379, 77.4770

Triad

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



26.8429, 33.4379, 71.3691



43.9963, 33.4379, 35.6231



26.4178, 33.4379, 15.7140

Complementary

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



26.8429, 33.4379, 71.3691



30.0147, 17.1070, 1.7217

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.



31.5064, 33.4379, 13.2386



26.8429, 33.4379, 71.3691



42.0379, 33.4379, 22.4070

Square

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



26.8429, 33.4379, 71.3691



42.3716, 33.4379, 53.4949



37.2920, 33.4379, 15.2666



23.1220, 33.4379, 23.4128

Rectangle

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



26.8429, 33.4379, 71.3691



35.9446, 33.4379, 73.9645



37.2920, 33.4379, 15.2666



27.9533, 33.4379, 14.3676

Sweetspot

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



26.8441, 33.4390, 71.3699



67.0417, 77.7775, 106.0868



25.5911, 50.3512, 11.0888



13.6908, 16.0860, 22.6333



0.0000, 0.0000, 0.0000



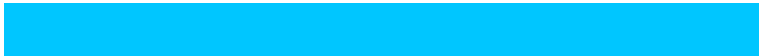
20.3446, 21.4041, 23.3091

Same Dimension

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



26.8441, 33.4390, 71.3699



38.1687, 47.4574, 101.7562



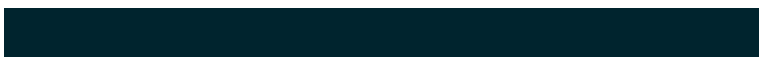
14.3679, 8.4868, 67.2112



13.1837, 14.3071, 16.7188



16.1642, 20.1979, 42.7850



1.1094, 1.4330, 2.7926

Inverse Universe

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



36.0760, 17.7715, 39.0659



51.3950, 25.3220, 55.4055



40.8446, 38.7667, 5.3316



13.4826, 13.2221, 15.8025



21.6543, 10.6628, 23.6233



1.4343, 0.7033, 1.6958

Previews

White Background



This preview shows how the XYZ color 26.8429, 33.4379, 71.3691 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 26.8429, 33.4379, 71.3691 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

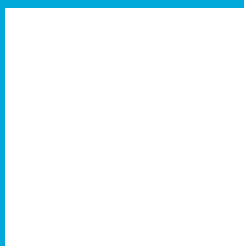
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.8429, 33.4379, 71.3691

Background



This preview shows how black text looks on a background with the XYZ color 26.8429, 33.4379, 71.3691.

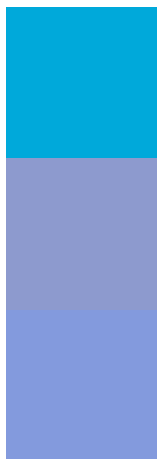


This preview shows how white text looks on a background with the XYZ color 26.8429, 33.4379,

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

26.8429, 33.4379, 71.3691

Protanopia

33.6807, 33.2302, 63.0314

Deuteranopia

33.9668, 33.1570, 73.0163

Trichromacy



Original Color

26.8429, 33.4379, 71.3691

Protanomaly

28.2474, 31.6231, 65.5878

Deuteranomaly

28.8837, 31.8026, 72.3263

Monochromacy



Original Color

26.8429, 33.4379, 71.3691

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.7741, 22.8871, 35.7759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8429, 33.4379, 71.3691 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, 169, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 218)  
}
```

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, 169, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 218) }
```

Border

The CSS property to change the border of an element to XYZ 26.8429, 33.4379, 71.3691 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, 169, 218) }
```

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

```
.border{ border-color:rgb(0, 169, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
218) }
```


Background

The CSS property to change the background color of an element to XYZ 26.8429, 33.4379, 71.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 218) }
```

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

```
.background{ background-color: rgb(0, 169,  
218) }
```

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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