

Converting Colors

XYZ(15.8119, 33.3306, 78.5824)

Have a look what the booklet for
XYZ(15.8119, 33.3306, 78.5824)
contains.

XYZ(31.8483, 41.5125, 79.0072)	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(31.8483, 41.5125,
79.0072)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCE3
RGB	0, 188, 227
RGB Percent	0%, 74%, 89%
CMY	0.9998, 0.2627, 0.1098
CMYK	1.00, 0.17, 0.00, 0.11
HSL	190°, 100%, 45%
HSV	190°, 100%, 89%
XYZ	31.8483, 41.5125, 79.0072
YIQ	136.2340, -124.5670, -27.7270

Conversions

Conversions Part 2

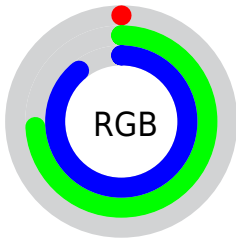
Format	Color
R _{YB}	0, 103, 227
Decimal	48355
CIE _{Lab}	70.53, -25.70, -30.53
CIE _{LCh}	71, 39.906, 229.900
Yxy	41.5125, 0.2090, 0.2724
Android (android.graphics.Color)	4278238435 (0xFF00BCE3)
YUV	136.2340, 44.7476, -119.4772
Hunter-Lab	64.4302, -24.5190, -27.6029

Details

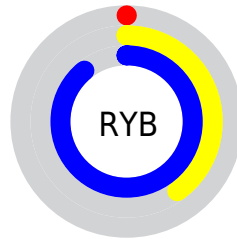
The XYZ color **31.8483, 41.5125, 79.0072** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.4064, 17.7856, 1.7265**, and the grayscale version is **23.3668, 24.5837, 26.7716**.

A 20% lighter version of the original color is **56.5850, 75.1095, 106.1230**, and **15.8758, 19.9905, 41.5499** is the 20% darker color. If you saturate the color by 10%, you get **31.8471, 41.5098, 79.0076**, and if you desaturate by 10%, it is **33.0414, 43.3822, 79.3060**.

Distribution



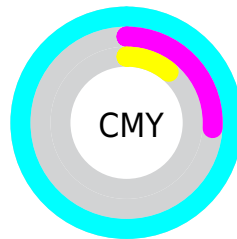
- Red (0%)
- Green (74%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8483, 41.5125, 79.0072 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 31.8483, 41.5125, 79.0072 by changing the saturation by 10% instead.

31.8483, 41.5125,
79.0072

31.8483, 41.5125,
79.0072

302.1852,
352.4581, 511.1990

21.4006, 28.7198,
58.3804

61.9400, 77.4613,
133.7678

13.5313, 18.8689,
41.6978

82.3147, 101.3861,
168.7386

7.8749, 11.5756,
28.5409

106.7292,
129.7904, 209.3278

4.0661, 6.4554,
18.4912

135.5488,
163.0586, 255.9540

1.7396, 3.1239,
11.1302

169.1388,
201.5751, 309.0356

0.4809, 1.1968,
6.0392

207.8647,

0.0000, 0.0591,

245.7242, 368.9913

2.7997

252.0917,
295.8904, 436.2396

■ 0.0000, 0.0000,
0.9933

■ 0.0000, 0.0000,
0.0000

■ 31.8483, 41.5125,
79.0072

■ 31.8483, 41.5125,
79.0072

■ 31.8471, 41.5098,
79.0076

■ 33.0414, 43.3822,
79.3060

■ 34.6633, 45.5058,
79.6305

■ 36.8458, 47.9525,
79.9877

■ 39.6644, 50.7613,
80.3813

■ 43.1824, 53.9650,
80.8142

■ 47.4554, 57.5927,
81.2892

■ 52.5330, 61.6701,
81.8086

■ 58.4610, 66.2210,
82.3746

■ 65.2811, 71.2674,
82.9892

Harmonies

Analogous

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



28.7061, 41.5125, 58.7039



31.8483, 41.5125, 79.0072



37.2770, 41.5125, 91.1361

Triad

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



31.8483, 41.5125, 79.0072



53.2839, 41.5125, 51.8633



35.3007, 41.5125, 18.9543

Complementary

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



31.8483, 41.5125, 79.0072



32.4064, 17.7856, 1.7265

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.



41.7191, 41.5125, 18.0699



31.8483, 41.5125, 79.0072



52.6026, 41.5125, 33.9442

Square

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



31.8483, 41.5125, 79.0072



49.9581, 41.5125, 72.8181



48.1888, 41.5125, 22.7456



30.5403, 41.5125, 25.6319

Rectangle

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



31.8483, 41.5125, 79.0072



41.6742, 41.5125, 91.1710



48.1888, 41.5125, 22.7456



37.3187, 41.5125, 18.0580

Sweetspot

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



31.8497, 41.5140, 79.0082



68.2338, 80.1618, 106.4842



27.8179, 55.0783, 10.9884



13.9784, 16.6613, 22.7292



0.0000, 0.0000, 0.0000



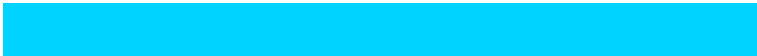
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8497, 41.5140, 79.0082



41.3893, 53.8985, 102.8298



16.4299, 10.6744, 73.8683



14.5857, 15.8927, 18.4432



18.6489, 24.3600, 46.1022



1.4339, 1.9117, 3.4254

Inverse Universe

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



40.7569, 19.9632, 49.2835



53.0206, 25.9722, 63.9657



42.8025, 38.5778, 5.1918



14.8832, 14.5705, 17.5853



23.8066, 11.6569, 28.9404



1.7874, 0.8727, 2.2870

Previews

White Background



This preview shows how the XYZ color 31.8483, 41.5125, 79.0072 looks on a white background.

Color Contrast Check

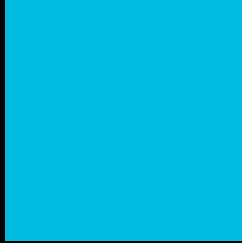
Large Text (above 18pt) WCAG AA × Fail

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 31.8483, 41.5125, 79.0072 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

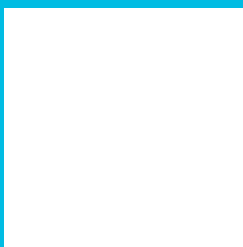
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8483, 41.5125, 79.0072

Background



This preview shows how black text looks on a background with the XYZ color 31.8483, 41.5125, 79.0072.

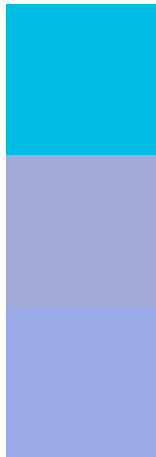


This preview shows how white text looks on a background with the XYZ color 31.8483, 41.5125,

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

31.8483, 41.5125, 79.0072

Protanopia

41.2103, 41.1816, 69.3951

Deuteranopia

41.9382, 41.0155, 81.3077



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

31.8483, 41.5125, 79.0072



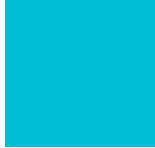
Protanomaly

33.9878, 39.3835, 72.8283



Deuteranomaly

34.8453, 39.3605, 80.6237



Tritanomaly

30.5511, 41.6820, 70.0535

Monochromacy



Original Color

31.8483, 41.5125, 79.0072



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.8133, 28.3335, 41.8026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8483, 41.5125, 79.0072 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, 188, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 227)  
}
```

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, 188, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.8483, 41.5125, 79.0072 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, 188, 227) }
```


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

```
.border{ border-color:rgb(0, 188, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8483, 41.5125, 79.0072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 227) }
```

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

```
.background{ background-color: rgb(0, 188,  
227) }
```

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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