

Converting Colors

XYZ(31.7426, 41.8320, 76.5227)

Have a look what the booklet for
XYZ(31.7426, 41.8320, 76.5227)
contains.

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Color

**XYZ(31.6829, 41.8085,
76.2120)**

Conversions

Conversions Part 1

Format	Color
Hex	0DBDDF
RGB	13, 189, 223
RGB Percent	5%, 74%, 87%
CMY	0.9488, 0.2588, 0.1255
CMYK	0.94, 0.15, 0.00, 0.13
HSL	190°, 89%, 46%
HSV	190°, 94%, 87%
XYZ	31.6829, 41.8085, 76.2120
YIQ	140.2520, -115.8100, -26.7380

Conversions

Conversions Part 2

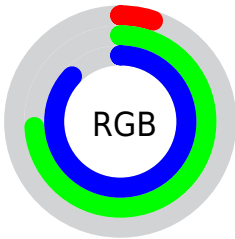
Format	Color
RYB	13, 109, 223
Decimal	900575
CIELab	70.74, -27.19, -28.03
CIELCh	71, 39.049, 225.867
Yxy	41.8085, 0.2116, 0.2793
Android (android.graphics.Color)	4279090655 (0xFF0DBDDF)
YUV	140.2520, 40.7948, -111.6000
Hunter-Lab	64.6595, -25.6898, -24.6215

Details

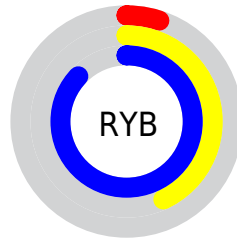
The XYZ color **31.6829, 41.8085, 76.2120** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5232, 17.7543, 2.1479**, and the grayscale version is **24.9101, 26.2074, 28.5398**.

A 20% lighter version of the original color is **57.3124, 76.3827, 106.3304**, and **15.7319, 20.1551, 40.1070** is the 20% darker color. If you saturate the color by 10%, you get **31.0662, 40.8214, 76.0548**, and if you desaturate by 10%, it is **33.0092, 43.6606, 76.5004**.

Distribution



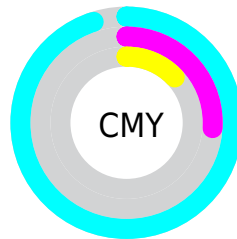
- Red (5%)
- Green (74%)
- Blue (87%)



- Red (5%)
- Yellow (43%)
- Blue (87%)



- Cyan (94%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (95%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6829, 41.8085, 76.2120 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 31.6829, 41.8085, 76.2120 by changing the saturation by 10% instead.

31.6829, 41.8085,
76.2120

31.6829, 41.8085,
76.2120

301.4432,
353.6885, 501.4392

21.2738, 28.9514,
56.0987

61.6822, 77.9097,
129.7894

13.4379, 19.0440,
39.8775

82.0031, 101.9226,
164.0905

7.8098, 11.7021,
27.1300

106.3586,
130.4228, 203.9579

4.0243, 6.5412,
17.4376

135.1141,
163.7949, 249.8103

1.7159, 3.1769,
10.3817

168.6350,
202.4230, 302.0660

0.4662, 1.2247,
5.5439

207.2866,

0.0000, 0.0818,

246.6918, 361.1438

2.5055

251.4342,
296.9855, 427.4620

■ 0.0000, 0.0000,
0.8431

■ 0.0000, 0.0000,
0.0000

■ 31.6829, 41.8085,
76.2120

■ 31.6829, 41.8085,
76.2120

■ 31.0662, 40.8214,
76.0548

■ 33.0092, 43.6606,
76.5004

■ 34.8348, 45.7983,
76.8168

■ 37.2399, 48.2638,
77.1659

■ 40.2891, 51.0907,
77.5509

■ 44.0385, 54.3080,
77.9743

■ 48.5377, 57.9416,
78.4385

■ 53.8318, 62.0150,
78.9457

■ 59.9624, 66.5496,
79.4978

■ 66.9680, 71.5656,
80.0968

Harmonies

Analogous

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



28.9239, 41.8085, 55.9844



31.6829, 41.8085, 76.2120



36.7744, 41.8085, 89.5973

Triad

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



31.6829, 41.8085, 76.2120



53.0763, 41.8085, 54.7963



36.4298, 41.8085, 19.1155

Complementary

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



31.6829, 41.8085, 76.2120



31.5232, 17.7543, 2.1479

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.



42.8562, 41.8085, 18.9593



31.6829, 41.8085, 76.2120



52.9581, 41.8085, 36.4523

Square

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



31.6829, 41.8085, 76.2120



49.3609, 41.8085, 75.1411



49.0537, 41.8085, 24.4255



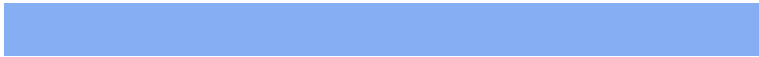
31.4543, 41.8085, 24.9329

Rectangle

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



31.6829, 41.8085, 76.2120



41.0241, 41.8085, 91.0064



49.0537, 41.8085, 24.4255



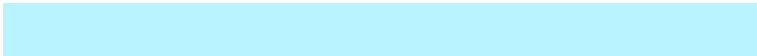
38.4785, 41.8085, 18.4659

Sweetspot

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



31.6843, 41.8100, 76.2130



69.9032, 81.7245, 106.6979



27.0196, 53.0479, 11.2519



14.3074, 16.9858, 22.7745



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.



31.6843, 41.8100, 76.2130



42.0223, 55.1646, 103.0408



16.8567, 12.1548, 71.2705



13.9177, 15.1746, 17.5831



18.3365, 24.1426, 44.7419



1.3222, 1.7758, 3.1183

Inverse Universe

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



39.7619, 19.6515, 49.8430



53.3401, 26.1000, 65.6483



41.3344, 37.3766, 5.4183



14.1947, 13.8955, 16.7954



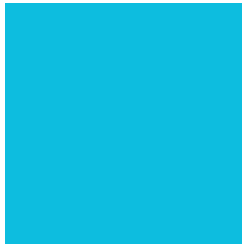
23.1956, 11.3452, 28.7596



1.6336, 0.7967, 2.1295

Previews

White Background



This preview shows how the XYZ color 31.6829, 41.8085, 76.2120 looks on a white background.

Color Contrast Check

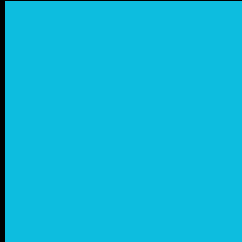
Large Text (above 18pt) WCAG AA × Fail

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 31.6829, 41.8085, 76.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

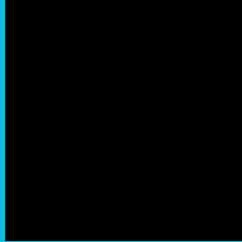
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6829, 41.8085, 76.2120

Background



This preview shows how black text looks on a background with the XYZ color 31.6829, 41.8085, 76.2120.

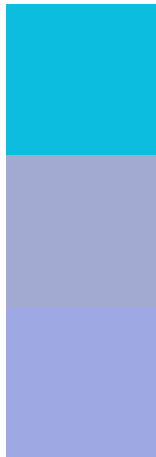


This preview shows how white text looks on a background with the XYZ color 31.6829, 41.8085,

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

31.6829, 41.8085, 76.2120

Protanopia

41.1118, 41.1891, 66.7562

Deuteranopia

42.2921, 41.2465, 79.1311



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

31.6829, 41.8085, 76.2120



Protanomaly

34.1722, 39.5387, 70.1206



Deuteranomaly

35.0785, 39.5449, 77.7356



Tritanomaly

30.3597, 41.6126, 68.7193

Monochromacy



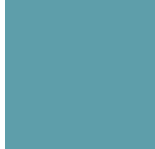
Original Color

31.6829, 41.8085, 76.2120



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.0987, 29.7357, 42.4996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6829, 41.8085, 76.2120 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(13, 189, 223)` looks like.

```
.text, #text, p{  
    color:rgb(13, 189, 223)  
}
```

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(13, 189, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 189, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.6829, 41.8085, 76.2120 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(13, 189, 223) }
```


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

```
.border{ border-color:rgb(13, 189, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 189, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 189, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 189, 223);  
box-shadow:4px 4px 4px 4px rgb(13, 189,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6829, 41.8085, 76.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 189, 223) }
```

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

```
.background{ background-color: rgb(13, 189,  
223) }
```

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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