

Converting Colors

XYZ(31.6367, 40.5330, 80.6515)

Have a look what the booklet for
XYZ(31.6367, 40.5330, 80.6515)
contains.

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Color

**XYZ(31.6319, 40.4111,
80.9959)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9E6
RGB	0, 185, 230
RGB Percent	0%, 73%, 90%
CMY	0.9998, 0.2745, 0.0980
CMYK	1.00, 0.20, 0.00, 0.10
HSL	192°, 100%, 45%
HSV	192°, 100%, 90%
XYZ	31.6319, 40.4111, 80.9959
YIQ	134.8150, -124.7050, -25.2250

Conversions

Conversions Part 2

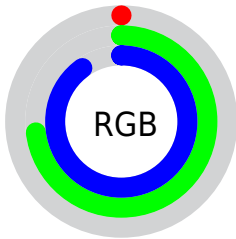
Format	Color
RYB	0, 103, 230
Decimal	47590
CIELab	69.76, -23.16, -33.35
CIELCh	70, 40.607, 235.218
Yxy	40.4111, 0.2067, 0.2641
Android (android.graphics.Color)	4278237670 (0xFF00B9E6)
YUV	134.8150, 46.9262, -118.2328
Hunter-Lab	63.5697, -22.4265, -31.0442

Details

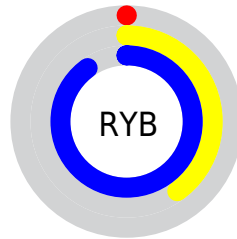
The XYZ color **31.6319, 40.4111, 80.9959** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.5745, 18.7046, 1.8425**, and the grayscale version is **22.8326, 24.0217, 26.1596**.

A 20% lighter version of the original color is **55.6896, 73.3187, 105.8245**, and **15.8912, 19.5585, 42.9820** is the 20% darker color. If you saturate the color by 10%, you get **31.6301, 40.4072, 80.9960**, and if you desaturate by 10%, it is **32.9439, 42.5082, 81.3324**.

Distribution



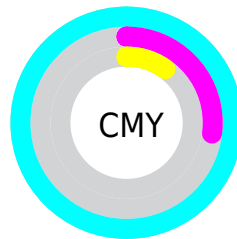
- Red (0%)
- Green (73%)
- Blue (90%)



- Red (0%)
- Yellow (40%)
- Blue (90%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6319, 40.4111, 80.9959 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 31.6319, 40.4111, 80.9959 by changing the saturation by 10% instead.

■ 31.6319, 40.4111,
80.9959

■ 31.6319, 40.4111,
80.9959

301.2142,
347.8533, 518.0778

■ 21.2347, 27.8592,
60.0072

■ 61.6027, 75.7891,
136.5890

■ 13.4091, 18.2196,
42.9991

■ 81.9069, 99.3840,
172.0306

■ 7.7898, 11.1077,
29.5530

■ 106.2443,
127.4288, 213.1268

■ 4.0114, 6.1393,
19.2504

■ 134.9800,
160.3077, 260.2964

■ 1.7086, 2.9300,
11.6727

■ 168.4795,
198.4052, 313.9577

■ 0.4616, 1.0953,
6.4014

207.1081,

■ 0.0000, 0.0000,

242.1057, 374.5293

3.0180

251.2312,
291.7936, 442.4298

■ 0.0000, 0.0000,
1.1038

■ 0.0000, 0.0000,
0.0000

■ 31.6319, 40.4111,
80.9959

■ 31.6319, 40.4111,
80.9959

■ 31.6301, 40.4072,
80.9960

■ 32.9439, 42.5082,
81.3324

■ 34.7053, 44.8810,
81.6975

■ 37.0515, 47.6003,
82.0987

■ 40.0603, 50.7067,
82.5397

■ 43.7974, 54.2342,
83.0237

■ 48.3201, 58.2131,
83.5533

■ 53.6801, 62.6700,
84.1311

■ 59.9243, 67.6298,
84.7593

■ 67.0962, 73.1151,
85.4401

Harmonies

Analogous

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



28.0584, 40.4111, 61.3242



31.6319, 40.4111, 80.9959



37.3641, 40.4111, 90.9140

Triad

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



31.6319, 40.4111, 80.9959



52.4545, 40.4111, 47.0923



33.2649, 40.4111, 18.6781

Complementary

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



31.6319, 40.4111, 80.9959



33.5745, 18.7046, 1.8425

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.



39.4743, 40.4111, 16.8603



31.6319, 40.4111, 80.9959



51.0367, 40.4111, 30.2920

Square

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



31.6319, 40.4111, 80.9959



49.7721, 40.4111, 68.0891



46.0921, 40.4111, 20.4374



28.9230, 40.4111, 26.3918

Rectangle

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



31.6319, 40.4111, 80.9959



41.8290, 40.4111, 89.0690



46.0921, 40.4111, 20.4374



35.1817, 40.4111, 17.4716

Sweetspot

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



31.6333, 40.4125, 80.9969



67.6937, 79.0816, 106.3042



28.7197, 56.7634, 11.6536



13.8480, 16.4004, 22.6857



0.0000, 0.0000, 0.0000



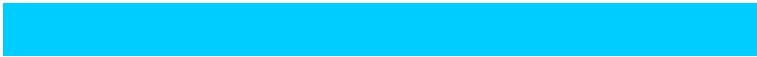
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6333, 40.4125, 80.9969



39.9045, 50.9291, 102.3348



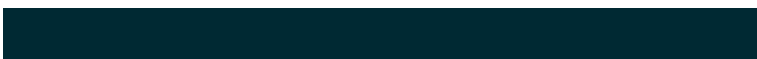
16.6582, 10.4623, 76.0052



14.5552, 15.8319, 18.4330



17.9941, 23.0504, 45.8839



1.3912, 1.8262, 3.4111

Inverse Universe

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



41.3914, 20.3274, 47.6422



52.2712, 25.6725, 60.0193



44.7224, 41.0005, 5.5585



14.8678, 14.5643, 17.5045



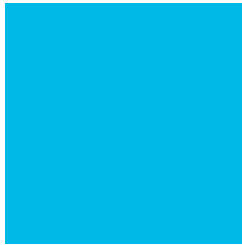
23.4761, 11.5247, 27.1999



1.7658, 0.8640, 2.1733

Previews

White Background



This preview shows how the XYZ color 31.6319, 40.4111, 80.9959 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 31.6319, 40.4111, 80.9959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

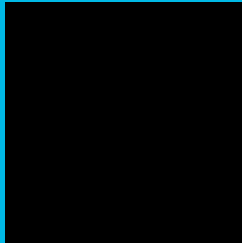
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6319, 40.4111, 80.9959

Background



This preview shows how black text looks on a background with the XYZ color 31.6319, 40.4111, 80.9959.



This preview shows how white text looks on a background with the XYZ color 31.6319, 40.4111,

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

31.6319, 40.4111, 80.9959

Protanopia

40.2477, 39.8153, 71.2095

Deuteranopia

40.8827, 39.8738, 83.3836



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

31.6319, 40.4111, 80.9959



Protanomaly

33.5764, 38.2554, 74.7216



Deuteranomaly

34.4601, 38.5350, 82.7125



Tritanomaly

29.7806, 40.3447, 69.1685

Monochromacy



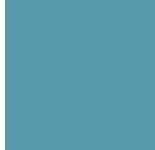
Original Color

31.6319, 40.4111, 80.9959



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.4847, 27.6632, 42.1847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6319, 40.4111, 80.9959 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, 185, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 230)  
}
```

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, 185, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.6319, 40.4111, 80.9959 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, 185, 230) }
```


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

```
.border{ border-color:rgb(0, 185, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6319, 40.4111, 80.9959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 230) }
```

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

```
.background{ background-color: rgb(0, 185,  
230) }
```

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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