

Converting Colors

XYZ(19.9262, 34.2207, 81.8278)

Have a look what the booklet for
XYZ(19.9262, 34.2207, 81.8278)
contains.

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Color

**XYZ(31.9145, 40.5241,
82.4838)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9E8
RGB	0, 185, 232
RGB Percent	0%, 73%, 91%
CMY	0.9997, 0.2745, 0.0902
CMYK	1.00, 0.20, 0.00, 0.09
HSL	192°, 100%, 46%
HSV	192°, 100%, 91%
XYZ	31.9145, 40.5241, 82.4838
YIQ	135.0430, -125.3470, -24.6030

Conversions

Conversions Part 2

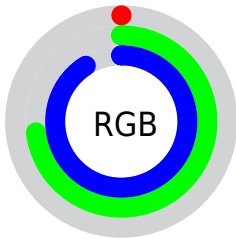
Format	Color
R _{YB}	0, 103, 232
Decimal	47592
CIE Lab	69.84, -22.48, -34.32
CIE LCh	70, 41.025, 236.773
Yxy	40.5241, 0.2060, 0.2616
Android (android.graphics.Color)	4278237672 (0xFF00B9E8)
YUV	135.0430, 47.7998, -118.4327
Hunter-Lab	63.6585, -21.9135, -32.2624

Details

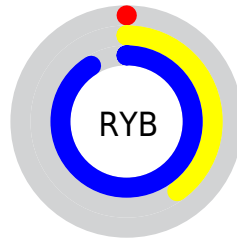
The XYZ color **31.9145, 40.5241, 82.4838** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.2986, 19.1945, 1.8991**, and the grayscale version is **22.9147, 24.1080, 26.2536**.

A 20% lighter version of the original color is **55.6896, 73.3187, 105.8245**, and **16.0877, 19.6371, 44.0167** is the 20% darker color. If you saturate the color by 10%, you get **31.9122, 40.5193, 82.4838**, and if you desaturate by 10%, it is **33.2744, 42.7101, 82.8349**.

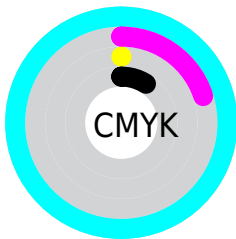
Distribution



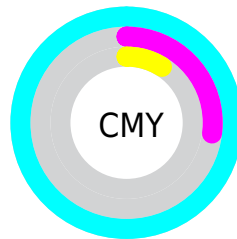
- Red (0%)
- Green (73%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9145, 40.5241, 82.4838 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 31.9145, 40.5241, 82.4838 by changing the saturation by 10% instead.

31.9145, 40.5241,
82.4838

31.9145, 40.5241,
82.4838

302.4818,
348.3277, 523.1904

21.4514, 27.9474,
61.2263

62.0431, 75.9609,
138.6950

13.5687, 18.2860,
43.9761

82.4394, 99.5899,
174.4858

7.9010, 11.1555,
30.3146

106.8774,
127.6717, 215.9580

4.0829, 6.1715,
19.8234

135.7226,
160.5908, 263.5303

1.7492, 2.9497,
12.0840

169.3403,
198.7315, 317.6211

0.4867, 1.1055,
6.6777

208.0958,

0.0000, 0.0000,

242.4783, 378.6490

3.1860

252.3545,
292.2156, 447.0326

■ 0.0000, 0.0000,
1.1904

■ 0.0000, 0.0000,
0.0000

■ 31.9145, 40.5241,
82.4838

■ 31.9145, 40.5241,
82.4838

■ 31.9122, 40.5193,
82.4838

■ 33.2744, 42.7101,
82.8349

■ 35.0955, 45.1820,
83.2160

■ 37.5154, 48.0117,
83.6347

■ 40.6136, 51.2407,
84.0946

■ 44.4573, 54.9041,
84.5992

■ 49.1050, 59.0325,
85.1511

■ 54.6097, 63.6535,
85.7529

■ 61.0192, 68.7923,
86.4070

■ 68.3780, 74.4723,
87.1154

Harmonies

Analogous

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



28.1735, 40.5241, 62.8016



31.9145, 40.5241, 82.4838



37.8002, 40.5241, 91.8313

Triad

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



31.9145, 40.5241, 82.4838



52.7767, 40.5241, 46.2218



33.0292, 40.5241, 18.8034

Complementary

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



31.9145, 40.5241, 82.4838



34.2986, 19.1945, 1.8991

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.



39.2427, 40.5241, 16.6932



31.9145, 40.5241, 82.4838



51.1249, 40.5241, 29.5736

Square

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



31.9145, 40.5241, 82.4838



50.2588, 40.5241, 67.4380



45.9724, 40.5241, 19.9975



28.7631, 40.5241, 26.9174

Rectangle

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



31.9145, 40.5241, 82.4838



42.3337, 40.5241, 89.4033



45.9724, 40.5241, 19.9975



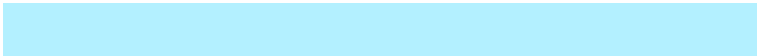
34.9368, 40.5241, 17.4917

Sweetspot

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



31.9159, 40.5255, 82.4848



67.5376, 78.7693, 106.2521



29.3599, 57.9151, 12.2633



13.8103, 16.3251, 22.6731



0.0000, 0.0000, 0.0000



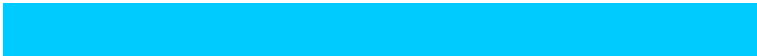
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9159, 40.5255, 82.4848



39.4832, 50.0864, 102.1944



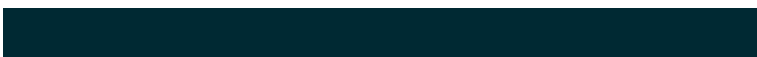
16.7347, 10.1631, 77.4244



14.5464, 15.8142, 18.4301



17.8082, 22.6784, 45.8220



1.3790, 1.8018, 3.4071

Inverse Universe

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



42.0370, 20.6603, 47.6724



52.0585, 25.5874, 58.8994



46.2741, 43.1454, 5.8909



14.8634, 14.5625, 17.4810



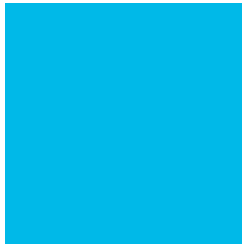
23.3823, 11.4871, 26.7056



1.7597, 0.8616, 2.1409

Previews

White Background



This preview shows how the XYZ color 31.9145, 40.5241, 82.4838 looks on a white background.

Color Contrast Check

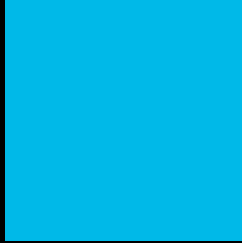
Large Text (above 18pt) WCAG AA × Fail

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 31.9145, 40.5241, 82.4838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

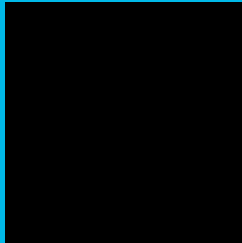
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9145, 40.5241, 82.4838

Background



This preview shows how black text looks on a background with the XYZ color 31.9145, 40.5241, 82.4838.



This preview shows how white text looks on a background with the XYZ color 31.9145, 40.5241,

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

31.9145, 40.5241, 82.4838

Protanopia

40.4991, 40.1877, 72.6403

Deuteranopia

41.1756, 40.2644, 84.9585



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



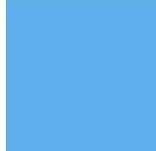
Original Color

31.9145, 40.5241, 82.4838



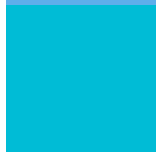
Protanomaly

33.7362, 38.3066, 76.1368



Deuteranomaly

34.7475, 38.6499, 84.2261



Tritanomaly

30.1208, 40.8215, 69.9101

Monochromacy



Original Color

31.9145, 40.5241, 82.4838



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 31.9145, 40.5241, 82.4838 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 232) }
```

Border

The CSS property to change the border of an element to XYZ 31.9145, 40.5241, 82.4838 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, 232) }
```


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

```
.border{ border-color:rgb(0, 185, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9145, 40.5241, 82.4838 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, 232) }
```

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

```
.background{ background-color: rgb(0, 185,  
232) }
```

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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