

Converting Colors

XYZ(19.0302, 32.5788, 82.0421)

Have a look what the booklet for
XYZ(19.0302, 32.5788, 82.0421)
contains.

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Color

**XYZ(31.2319, 38.9309,
82.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5E9
RGB	0, 181, 233
RGB Percent	0%, 71%, 91%
CMY	0.9997, 0.2902, 0.0863
CMYK	1.00, 0.22, 0.00, 0.09
HSL	193°, 100%, 46%
HSV	193°, 100%, 91%
XYZ	31.2319, 38.9309, 82.9591
YIQ	132.8090, -124.5680, -22.2000

Conversions

Conversions Part 2

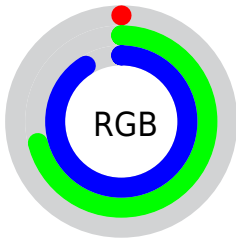
Format	Color
RYB	0, 102, 233
Decimal	46569
CIELab	68.70, -20.06, -36.63
CIELCh	69, 41.766, 241.293
Yxy	38.9309, 0.2040, 0.2542
Android (android.graphics.Color)	4278236649 (0xFF00B5E9)
YUV	132.8090, 49.3942, -116.4735
Hunter-Lab	62.3946, -19.8417, -35.1550

Details

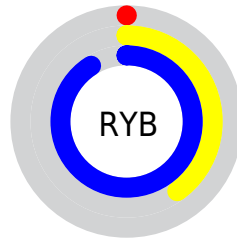
The XYZ color **31.2319, 38.9309, 82.9591** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.8360, 19.7861, 1.9850**, and the grayscale version is **22.0915, 23.2420, 25.3106**.

A 20% lighter version of the original color is **54.5185, 70.9765, 105.4342**, and **15.6550, 18.6127, 44.3625** is the 20% darker color. If you saturate the color by 10%, you get **31.2292, 38.9255, 82.9590**, and if you desaturate by 10%, it is **32.6718, 41.2734, 83.3361**.

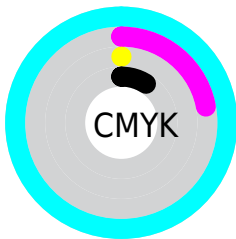
Distribution



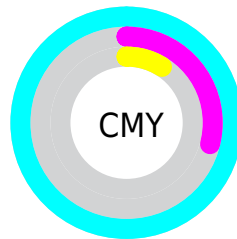
- Red (0%)
- Green (71%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2319, 38.9309, 82.9591 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 31.2319, 38.9309, 82.9591 by changing the saturation by 10% instead.

■ 31.2319, 38.9309,
82.9591

■ 31.2319, 38.9309,
82.9591

■ 299.4131,
341.5966, 524.8176

■ 20.9282, 26.7060,
61.6160

■ 60.9784, 73.5327,
139.3669

■ 13.1837, 17.3525,
44.2887

■ 81.1518, 96.6785,
175.2687

■ 7.6330, 10.4862,
30.5587

■ 105.3459,
124.2332, 216.8604

■ 3.9109, 5.7225,
20.0074

■ 133.9259,
156.5814, 264.5607

■ 1.6518, 2.6771,
12.2163

■ 167.2573,
194.1075, 318.7880

■ 0.4258, 0.9656,
6.7668

205.7054,

■ 0.0000, 0.0000,

237.1958, 379.9609

3.2405

249.6356,
286.2307, 448.4979

■ 0.0000, 0.0000,
1.2187

■ 0.0000, 0.0000,
0.0000

■ 31.2319, 38.9309,
82.9591

■ 31.2319, 38.9309,
82.9591

■ 31.2292, 38.9255,
82.9590

■ 32.6718, 41.2734,
83.3361

■ 34.5845, 43.9182,
83.7458

■ 37.1087, 46.9382,
84.1957

■ 40.3252, 50.3754,
84.6896

■ 44.3017, 54.2656,
85.2309

■ 49.0977, 58.6398,
85.8225

■ 54.7665, 63.5262,
86.4669

■ 61.3568, 68.9505,
87.1665

■ 68.9137, 74.9363,
87.9236

Harmonies

Analogous

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



27.1772, 38.9309, 64.2252



31.2319, 38.9309, 82.9591



37.2900, 38.9309, 90.1364

Triad

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



31.2319, 38.9309, 82.9591



51.2060, 38.9309, 41.5737



30.7907, 38.9309, 18.2872

Complementary

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



31.2319, 38.9309, 82.9591



34.8360, 19.7861, 1.9850

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.



36.7168, 38.9309, 15.4343



31.2319, 38.9309, 82.9591



48.9498, 38.9309, 26.1656

Square

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



31.2319, 38.9309, 82.9591



49.2959, 38.9309, 62.3682



43.4438, 38.9309, 17.8226



26.9446, 38.9309, 27.2097

Rectangle

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



31.2319, 38.9309, 82.9591



41.8084, 38.9309, 86.1078



43.4438, 38.9309, 17.8226



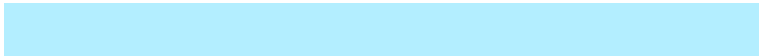
32.5800, 38.9309, 16.7303

Sweetspot

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



31.2333, 38.9322, 82.9601



67.0770, 77.8481, 106.0986



29.7275, 58.5138, 12.8063



13.6993, 16.1030, 22.6361



0.0000, 0.0000, 0.0000



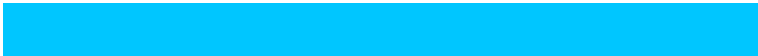
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2333, 38.9322, 82.9601



38.2611, 47.6422, 101.7870



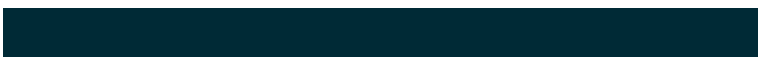
16.6611, 9.7879, 78.1027



15.2159, 16.5182, 19.3086



17.8164, 22.2799, 47.1044



1.4690, 1.8895, 3.7222

Inverse Universe

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



41.9461, 20.6616, 45.4944



51.4416, 25.3407, 55.6510



47.4244, 44.9628, 6.1811



15.5625, 15.2529, 18.2476



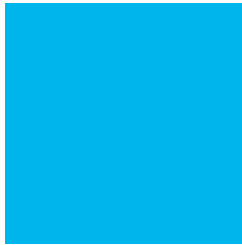
23.8482, 11.7420, 26.0658



1.9080, 0.9362, 2.2329

Previews

White Background



This preview shows how the XYZ color 31.2319, 38.9309, 82.9591 looks on a white background.

Color Contrast Check

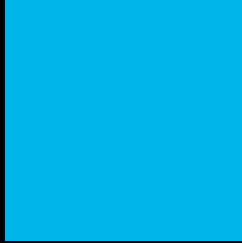
Large Text (above 18pt) WCAG AA × Fail

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 31.2319, 38.9309, 82.9591 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

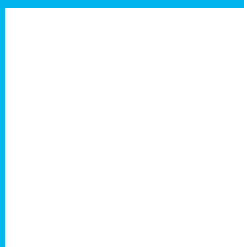
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2319, 38.9309, 82.9591

Background



This preview shows how black text looks on a background with the XYZ color 31.2319, 38.9309, 82.9591.



This preview shows how white text looks on a background with the XYZ color 31.2319, 38.9309,

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

31.2319, 38.9309, 82.9591

Protanopia

38.9562, 38.2975, 73.0491

Deuteranopia

39.5564, 38.6001, 85.4865



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

31.2319, 38.9309, 82.9591

Protanomaly

32.7892, 36.6725, 76.5845

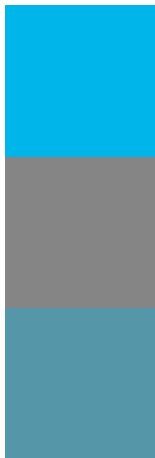
Deuteranomaly

33.8231, 37.3058, 84.7750

Tritanomaly

28.8984, 38.9841, 67.6296

Monochromacy



Original Color

31.2319, 38.9309, 82.9591

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.8141, 26.6086, 41.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2319, 38.9309, 82.9591 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, 181, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 233)  
}
```

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, 181, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 233) }
```

Border

The CSS property to change the border of an element to XYZ 31.2319, 38.9309, 82.9591 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, 181, 233) }
```


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

```
.border{ border-color:rgb(0, 181, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2319, 38.9309, 82.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 233) }
```

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

```
.background{ background-color: rgb(0, 181,  
233) }
```

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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