

Converting Colors

XYZ(31.0442, 38.7722, 82.2288)

Have a look what the booklet for
XYZ(31.0442, 38.7722, 82.2288)
contains.

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Color

**XYZ(31.0894, 38.8739,
82.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5E8
RGB	0, 181, 232
RGB Percent	0%, 71%, 91%
CMY	0.9997, 0.2902, 0.0902
CMYK	1.00, 0.22, 0.00, 0.09
HSL	193°, 100%, 46%
HSV	193°, 100%, 91%
XYZ	31.0894, 38.8739, 82.2088
YIQ	132.6950, -124.2470, -22.5110

Conversions

Conversions Part 2

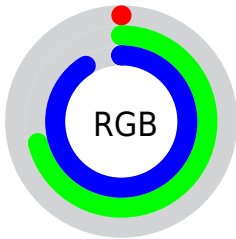
Format	Color
RYB	0, 102, 232
Decimal	46568
CIELab	68.66, -20.41, -36.15
CIELCh	69, 41.514, 240.554
Yxy	38.8739, 0.2043, 0.2555
Android (android.graphics.Color)	4278236648 (0xFF00B5E8)
YUV	132.6950, 48.9574, -116.3735
Hunter-Lab	62.3489, -20.1042, -34.5313

Details

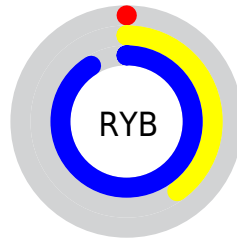
The XYZ color **31.0894, 38.8739, 82.2088** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.4662, 19.5296, 1.9550**, and the grayscale version is **22.0515, 23.1999, 25.2647**.

A 20% lighter version of the original color is **54.5185, 70.9765, 105.4342**, and **15.5556, 18.5729, 43.8394** is the 20% darker color. If you saturate the color by 10%, you get **31.0869, 38.8688, 82.2087**, and if you desaturate by 10%, it is **32.5058, 41.1730, 82.5787**.

Distribution



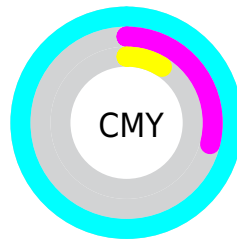
- Red (0%)
- Green (71%)
- Blue (91%)



- 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 31.0894, 38.8739, 82.2088 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 31.0894, 38.8739, 82.2088 by changing the saturation by 10% instead.

■ 31.0894, 38.8739,
82.2088

■ 31.0894, 38.8739,
82.2088

298.7695,
341.3541, 522.2476

■ 20.8191, 26.6616,
61.0008

■ 60.7557, 73.4456,
138.3061

■ 13.1035, 17.3193,
43.7953

■ 80.8824, 96.5739,
174.0325

■ 7.5774, 10.4624,
30.1736

■ 105.0252,
124.1097, 215.4354

■ 3.8752, 5.7066,
19.7172

■ 133.5496,
156.4372, 262.9335

■ 1.6318, 2.6675,
12.0076

■ 166.8209,
193.9411, 316.9452

■ 0.4130, 0.9607,
6.6263

205.2044,

■ 0.0000, 0.0000,

237.0056, 377.8891

3.1546

249.0655,
286.0151, 446.1837

■ 0.0000, 0.0000,
1.1741

■ 0.0000, 0.0000,
0.0000

■ 31.0894, 38.8739,
82.2088

■ 31.0894, 38.8739,
82.2088

■ 31.0869, 38.8688,
82.2087

■ 32.5058, 41.1730,
82.5787

■ 34.3890, 43.7690,
82.9805

■ 36.8766, 46.7341,
83.4218

■ 40.0482, 50.1101,
83.9062

■ 43.9712, 53.9320,
84.4372

■ 48.7041, 58.2307,
85.0174

■ 54.2998, 63.0340,
85.6496

■ 60.8065, 68.3672,
86.3361

■ 68.2686, 74.2538,
87.0790

Harmonies

Analogous

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



27.1182, 38.8739, 63.4682



31.0894, 38.8739, 82.2088



37.0705, 38.8739, 89.6846

Triad

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



31.0894, 38.8739, 82.2088



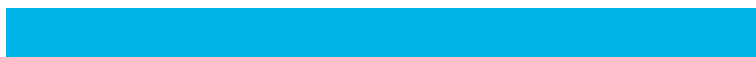
51.0471, 38.8739, 41.9790



30.9017, 38.8739, 18.2219

Complementary

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



31.0894, 38.8739, 82.2088



34.4662, 19.5296, 1.9550

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.



36.8267, 38.8739, 15.5107



31.0894, 38.8739, 82.2088



48.9065, 38.8739, 26.4946

Square

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



31.0894, 38.8739, 82.2088



49.0536, 38.8739, 62.6796



43.5010, 38.8739, 18.0236



27.0192, 38.8739, 26.9394

Rectangle

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



31.0894, 38.8739, 82.2088



41.5550, 38.8739, 85.9480



43.5010, 38.8739, 18.0236



32.6957, 38.8739, 16.7171

Sweetspot

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



31.0908, 38.8752, 82.2098



67.1516, 77.9974, 106.1235



29.4404, 57.9473, 12.6872



13.7173, 16.1390, 22.6421



0.0000, 0.0000, 0.0000



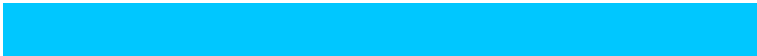
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0908, 38.8752, 82.2098



38.4571, 48.0341, 101.8524



16.5020, 9.6977, 77.3469



14.5245, 15.7704, 18.4228



17.3551, 21.7723, 45.6709



1.3491, 1.7422, 3.3971

Inverse Universe

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



41.6205, 20.4937, 45.4791



51.5405, 25.3802, 56.1719



46.9678, 44.5329, 6.1222



14.8523, 14.5581, 17.4227



23.1536, 11.3956, 25.5013



1.7446, 0.8556, 2.0616

Previews

White Background



This preview shows how the XYZ color 31.0894, 38.8739, 82.2088 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 31.0894, 38.8739, 82.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

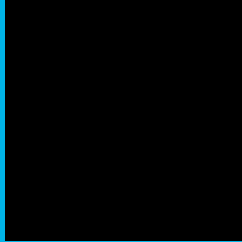
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0894, 38.8739, 82.2088

Background



This preview shows how black text looks on a background with the XYZ color 31.0894, 38.8739, 82.2088.



This preview shows how white text looks on a background with the XYZ color 31.0894, 38.8739,

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

31.0894, 38.8739, 82.2088

Protanopia

38.8241, 38.2447, 72.3535

Deuteranopia

39.5800, 38.6291, 84.7270



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

31.0894, 38.8739, 82.2088

Protanomaly

32.6531, 36.6181, 75.8680

Deuteranomaly

33.7748, 37.2976, 84.0163

Tritanomaly

28.8984, 38.9841, 67.6296

Monochromacy



Original Color

31.0894, 38.8739, 82.2088

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 31.0894, 38.8739, 82.2088 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 232) }
```

Border

The CSS property to change the border of an element to XYZ 31.0894, 38.8739, 82.2088 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, 232) }
```


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

```
.border{ border-color:rgb(0, 181, 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, 181, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0894, 38.8739, 82.2088 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, 232) }
```

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

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