

Converting Colors

XYZ(30.5107, 38.8483, 78.5273)

Have a look what the booklet for
XYZ(30.5107, 38.8483, 78.5273)
contains.

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Color

**XYZ(30.5931, 39.0019,
78.5887)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6E3
RGB	0, 182, 227
RGB Percent	0%, 71%, 89%
CMY	0.9997, 0.2863, 0.1098
CMYK	1.00, 0.20, 0.00, 0.11
HSL	192°, 100%, 45%
HSV	192°, 100%, 89%
XYZ	30.5931, 39.0019, 78.5887
YIQ	132.7120, -122.9170, -24.5890

Conversions

Conversions Part 2

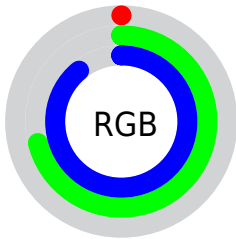
Format	Color
RYB	0, 101, 227
Decimal	46819
CIELab	68.75, -22.65, -33.28
CIELCh	69, 40.256, 235.757
Yxy	39.0019, 0.2065, 0.2632
Android (android.graphics.Color)	4278236899 (0xFF00B6E3)
YUV	132.7120, 46.4840, -116.3884
Hunter-Lab	62.4515, -21.8484, -30.8942

Details

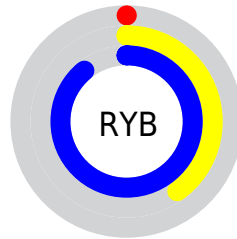
The XYZ color **30.5931, 39.0019, 78.5887** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.6200, 18.2128, 1.7980**, and the grayscale version is **22.0657, 23.2148, 25.2809**.

A 20% lighter version of the original color is **54.6879, 71.4949, 105.5253**, and **15.2009, 18.6408, 41.3249** is the 20% darker color. If you saturate the color by 10%, you get **30.5910, 38.9976, 78.5888**, and if you desaturate by 10%, it is **31.8784, 41.0557, 78.9182**.

Distribution



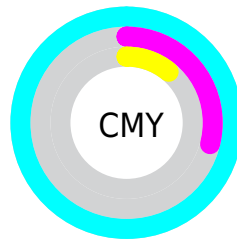
- Red (0%)
- Green (71%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5931, 39.0019, 78.5887 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 30.5931, 39.0019, 78.5887 by changing the saturation by 10% instead.

30.5931, 39.0019,
78.5887

30.5931, 39.0019,
78.5887

296.5198,
341.8986, 509.7446

20.4395, 26.7612,
58.0384

59.9791, 73.6412,
133.1731

12.8250, 17.3940,
41.4246

79.9422, 96.8086,
168.0442

7.3843, 10.5158,
28.3288

103.9058,
124.3871, 208.5261

3.7521, 5.7422,
18.3325

132.2354,
156.7610, 255.0372

1.5628, 2.6890,
11.0170

165.2962,
194.3146, 307.9960

0.3680, 0.9716,
5.9640

203.4537,

0.0000, 0.0000,

237.4325, 367.8212

2.7548

247.0731,
286.4991, 434.9312

■ 0.0000, 0.0000,
0.9708

■ 0.0000, 0.0000,
0.0000

■ 30.5931, 39.0019,
78.5887

■ 30.5931, 39.0019,
78.5887

■ 30.5910, 38.9976,
78.5888

■ 31.8784, 41.0557,
78.9182

■ 33.5998, 43.3781,
79.2757

■ 35.8892, 46.0381,
79.6685

■ 38.8222, 49.0751,
80.1001

■ 42.4620, 52.5220,
80.5736

■ 46.8644, 56.4080,
81.0916

■ 52.0792, 60.7591,
81.6566

■ 58.1521, 65.5992,
82.2708

■ 65.1250, 70.9504,
82.9361

Harmonies

Analogous

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



27.0921, 39.0019, 59.6170



30.5931, 39.0019, 78.5887



36.1709, 39.0019, 87.9637

Triad

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



30.5931, 39.0019, 78.5887



50.6836, 39.0019, 45.1162



31.9956, 39.0019, 18.0509

Complementary

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



30.5931, 39.0019, 78.5887



32.6200, 18.2128, 1.7980

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.



37.9842, 39.0019, 16.2009



30.5931, 39.0019, 78.5887



49.2390, 39.0019, 28.9677

Square

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



30.5931, 39.0019, 78.5887



48.1516, 39.0019, 65.4351



44.4023, 39.0019, 19.5589



27.8343, 39.0019, 25.6207

Rectangle

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



30.5931, 39.0019, 78.5887



40.4987, 39.0019, 85.9917



44.4023, 39.0019, 19.5589



33.8408, 39.0019, 16.8527

Sweetspot

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



30.5944, 39.0033, 78.5897



67.6354, 78.9649, 106.2847



27.8822, 55.1040, 11.3262



13.8339, 16.3723, 22.6810



0.0000, 0.0000, 0.0000



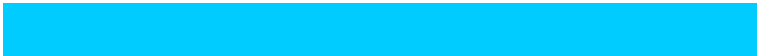
20.3446, 21.4041, 23.3091

Same Dimension

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



30.5944, 39.0033, 78.5897



39.7467, 50.6135, 102.2822



16.1788, 10.1719, 73.7845



14.5519, 15.8253, 18.4319



17.9245, 22.9111, 45.8607



1.3866, 1.8171, 3.4096

Inverse Universe

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



40.1233, 19.7099, 45.9467



52.1915, 25.6406, 59.5999



43.4235, 39.8198, 5.3992



14.8662, 14.5637, 17.4957



23.4410, 11.5106, 27.0148



1.7635, 0.8631, 2.1612

Previews

White Background



This preview shows how the XYZ color 30.5931, 39.0019, 78.5887 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 30.5931, 39.0019, 78.5887 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

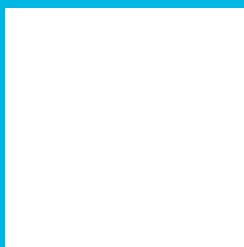
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5931, 39.0019, 78.5887

Background



This preview shows how black text looks on a background with the XYZ color 30.5931, 39.0019, 78.5887.

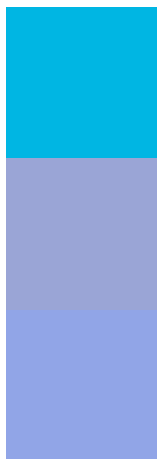


This preview shows how white text looks on a background with the XYZ color 30.5931, 39.0019,

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

30.5931, 39.0019, 78.5887

Protanopia

38.9192, 38.6353, 69.0244

Deuteranopia

39.5560, 38.6995, 80.9862



Tritanopia

27.7743, 38.8681, 60.6820

Trichromacy



Original Color

30.5931, 39.0019, 78.5887



Protanomaly

32.3861, 36.8370, 72.4211



Deuteranomaly

33.2595, 37.1143, 80.2737



Tritanomaly

28.7733, 38.9341, 66.9713

Monochromacy



Original Color

30.5931, 39.0019, 78.5887



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.7880, 26.8545, 40.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5931, 39.0019, 78.5887 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, 182, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 227)  
}
```

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, 182, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 227) }
```

Border

The CSS property to change the border of an element to XYZ 30.5931, 39.0019, 78.5887 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, 182, 227) }
```


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

```
.border{ border-color:rgb(0, 182, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5931, 39.0019, 78.5887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 227) }
```

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

```
.background{ background-color: rgb(0, 182,  
227) }
```

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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