

Converting Colors

XYZ(27.7009, 38.1695, 78.8052)

Have a look what the booklet for
XYZ(27.7009, 38.1695, 78.8052)
contains.

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Color

**XYZ(31.0056, 39.8270,
78.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8E3
RGB	0, 184, 227
RGB Percent	0%, 72%, 89%
CMY	0.9998, 0.2784, 0.1098
CMYK	1.00, 0.19, 0.00, 0.11
HSL	191°, 100%, 45%
HSV	191°, 100%, 89%
XYZ	31.0056, 39.8270, 78.7263
YIQ	133.8860, -123.4670, -25.6350

Conversions

Conversions Part 2

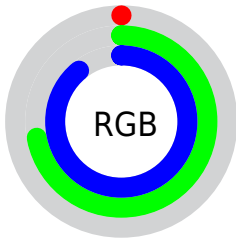
Format	Color
RYB	0, 102, 227
Decimal	47331
CIELab	69.35, -23.68, -32.36
CIELCh	69, 40.096, 233.808
Yxy	39.8270, 0.2073, 0.2663
Android (android.graphics.Color)	4278237411 (0xFF00B8E3)
YUV	133.8860, 45.9052, -117.4180
Hunter-Lab	63.1086, -22.7421, -29.7866

Details

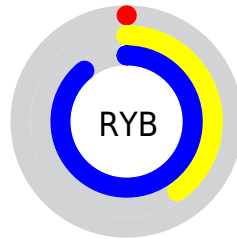
The XYZ color **31.0056, 39.8270, 78.7263** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.5452, 18.0631, 1.7729**, and the grayscale version is **22.4942, 23.6657, 25.7719**.

A 20% lighter version of the original color is **55.2735, 72.6660, 105.7205**, and **15.4670, 19.1729, 41.4136** is the 20% darker color. If you saturate the color by 10%, you get **31.0040, 39.8235, 78.7265**, and if you desaturate by 10%, it is **32.2612, 41.8215, 79.0459**.

Distribution



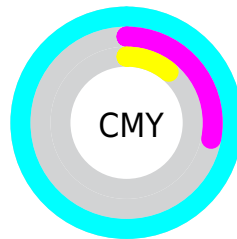
- Red (0%)
- Green (72%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0056, 39.8270, 78.7263 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 31.0056, 39.8270, 78.7263 by changing the saturation by 10% instead.

■ 31.0056, 39.8270,
78.7263

■ 31.0056, 39.8270,
78.7263

298.3905,
345.3939, 510.2231

■ 20.7550, 27.4037,
58.1508

■ 60.6247, 74.9000,
133.3686

■ 13.0564, 17.8766,
41.5144

■ 80.7238, 98.3185,
168.2726

■ 7.5447, 10.8615,
28.3985

■ 104.8365,
126.1708, 208.7898

■ 3.8544, 5.9737,
18.3846

■ 133.3281,
158.8414, 255.3387

■ 1.6201, 2.8291,
11.0542

■ 166.5639,
196.7146, 308.3380

■ 0.4054, 1.0432,
5.9887

204.9094,

■ 0.0000, 0.0000,

240.1748, 368.2061

2.7695

248.7298,
289.6064, 435.3616

■ 0.0000, 0.0000,
0.9782

■ 0.0000, 0.0000,
0.0000

■ 31.0056, 39.8270,
78.7263

■ 31.0056, 39.8270,
78.7263

■ 31.0040, 39.8235,
78.7265

■ 32.2612, 41.8215,
79.0459

■ 33.9503, 44.0796,
79.3927

■ 36.2049, 46.6702,
79.7739

■ 39.1004, 49.6325,
80.1931

■ 42.7002, 52.9996,
80.6533

■ 47.0599, 56.8005,
81.1572

■ 52.2293, 61.0612,
81.7071

■ 58.2540, 65.8055,
82.3053

■ 65.1761, 71.0553,
82.9538

Harmonies

Analogous

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



27.6215, 39.8270, 59.3062



31.0056, 39.8270, 78.7263



36.5348, 39.8270, 89.0165

Triad

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



31.0056, 39.8270, 78.7263



51.5416, 39.8270, 47.3021



33.0744, 39.8270, 18.3457

Complementary

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



31.0056, 39.8270, 78.7263



32.5452, 18.0631, 1.7729

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.



39.2053, 39.8270, 16.8074



31.0056, 39.8270, 78.7263



50.3458, 39.8270, 30.5714

Square

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



31.0056, 39.8270, 78.7263



48.7483, 39.8270, 67.8464



45.6440, 39.8270, 20.5861



28.7179, 39.8270, 25.6196

Rectangle

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



31.0056, 39.8270, 78.7263



40.8860, 39.8270, 87.7025



45.6440, 39.8270, 20.5861



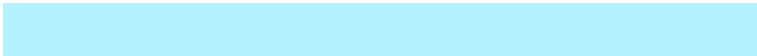
34.9764, 39.8270, 17.2458

Sweetspot

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



31.0070, 39.8284, 78.7273



67.8342, 79.3625, 106.3510



27.8821, 55.1039, 11.3257



13.8819, 16.4682, 22.6970



0.0000, 0.0000, 0.0000



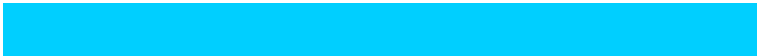
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0070, 39.8284, 78.7273



40.2866, 51.6933, 102.4622



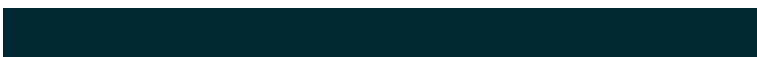
16.1784, 10.1713, 73.7844



14.5632, 15.8477, 18.4357



18.1627, 23.3875, 45.9401



1.4022, 1.8483, 3.4148

Inverse Universe

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



40.3315, 19.7931, 47.0434



52.4640, 25.7496, 61.0349



43.4232, 39.8191, 5.3989



14.8718, 14.5659, 17.5255



23.5612, 11.5587, 27.6480



1.7714, 0.8663, 2.2026

Previews

White Background



This preview shows how the XYZ color 31.0056, 39.8270, 78.7263 looks on a white background.

Color Contrast Check

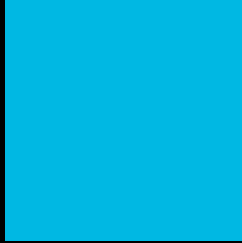
Large Text (above 18pt) WCAG AA × Fail

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 31.0056, 39.8270, 78.7263 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 31.0056, 39.8270, 78.7263

Background



This preview shows how black text looks on a background with the XYZ color 31.0056, 39.8270, 78.7263.

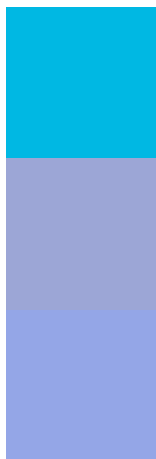


This preview shows how white text looks on a background with the XYZ color 31.0056, 39.8270,

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

31.0056, 39.8270, 78.7263

Protanopia

39.4841, 39.1954, 69.1028

Deuteranopia

40.2728, 39.3379, 81.0717



Tritanopia

28.4310, 39.8049, 62.0618

Trichromacy



Original Color

31.0056, 39.8270, 78.7263



Protanomaly

32.8753, 37.6543, 72.5531



Deuteranomaly

33.8426, 37.9800, 80.4101



Tritanomaly

29.3168, 39.8210, 67.7691

Monochromacy



Original Color

31.0056, 39.8270, 78.7263



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.0424, 27.2149, 41.1370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0056, 39.8270, 78.7263 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, 184, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 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, 184, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.0056, 39.8270, 78.7263 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, 184, 227) }
```


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

```
.border{ border-color:rgb(0, 184, 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, 184, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 184, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 184, 227); box-shadow:4px 4px 4px 4px rgb(0, 184, 227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0056, 39.8270, 78.7263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 227) }
```

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

```
.background{ background-color: rgb(0, 184,  
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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