

Converting Colors

XYZ(31.9151, 40.8719, 79.1331)

Have a look what the booklet for
XYZ(31.9151, 40.8719, 79.1331)
contains.

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Color

**XYZ(31.9029, 40.9107,
78.8881)**

Conversions

Conversions Part 1

Format	Color
Hex	1CBAE3
RGB	28, 186, 227
RGB Percent	11%, 73%, 89%
CMY	0.8901, 0.2706, 0.1098
CMYK	0.88, 0.18, 0.00, 0.11
HSL	192°, 78%, 50%
HSV	192°, 88%, 89%
XYZ	31.9029, 40.9107, 78.8881
YIQ	143.4320, -107.3290, -20.7450

Conversions

Conversions Part 2

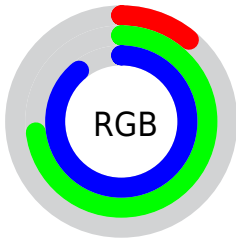
Format	Color
R _Y B	28, 116, 227
Decimal	1882851
CIE Lab	70.11, -23.69, -31.16
CIE LCh	70, 39.145, 232.749
Yxy	40.9107, 0.2103, 0.2697
Android (android.graphics.Color)	4280072931 (0xFF1CBAE3)
YUV	143.4320, 41.1990, -101.2339
Hunter-Lab	63.9615, -22.8998, -28.3534

Details

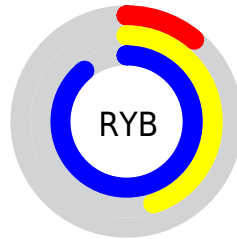
The XYZ color **31.9029, 40.9107, 78.8881** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.0185, 20.6744, 3.2979**, and the grayscale version is **26.1558, 27.5179, 29.9670**.

A 20% lighter version of the original color is **56.7416, 74.3017, 105.9588**, and **15.7382, 19.7153, 41.5040** is the 20% darker color. If you saturate the color by 10%, you get **30.5220, 38.7605, 78.5467**, and if you desaturate by 10%, it is **33.7778, 43.3649, 79.2638**.

Distribution



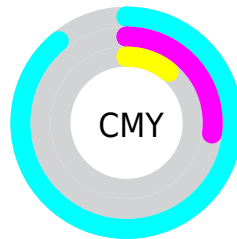
- Red (11%)
- Green (73%)
- Blue (89%)



- Red (11%)
- Yellow (45%)
- Blue (89%)



- Cyan (88%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9029, 40.9107, 78.8881 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 31.9029, 40.9107, 78.8881 by changing the saturation by 10% instead.

31.9029, 40.9107,
78.8881

31.9029, 40.9107,
78.8881

302.4298,
349.9473, 510.7853

21.4425, 28.2493,
58.2830

62.0251, 76.5483,
133.5986

13.5622, 18.5137,
41.6200

82.4176, 100.2933,
168.5410

7.8964, 11.3194,
28.4805

106.8515,
128.5017, 209.0997

4.0800, 6.2821,
18.4460

135.6922,
161.5578, 255.6932

1.7475, 3.0174,
11.0979

169.3050,
199.8460, 308.7399

0.4857, 1.1408,
6.0177

208.0553,

0.0000, 0.0125,

243.7507, 368.6585

2.7869

252.3085,
293.6563, 435.8674

■ 0.0000, 0.0000,
0.9869

■ 0.0000, 0.0000,
0.0000

■ 31.9029, 40.9107,
78.8881

■ 31.9029, 40.9107,
78.8881

■ 30.5220, 38.7605,
78.5467

■ 33.7778, 43.3649,
79.2638

■ 30.2325, 38.2805,
78.4693

■ 36.2406, 46.1697,
79.6754

■ 39.3648, 49.3643,
80.1273

■ 43.2118, 52.9807,
80.6226

■ 47.8357, 57.0473,
81.1638

■ 53.2855, 61.5897,
81.7534

■ 59.6058, 66.6313,
82.3934

■ 66.8381, 72.1939,
83.0859

■ 75.0210, 78.2979,
83.8328

Harmonies

Analogous

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



28.6066, 40.9107, 59.6059



31.9029, 40.9107, 78.8881



37.3523, 40.9107, 89.4350

Triad

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



31.9029, 40.9107, 78.8881



52.4098, 40.9107, 49.1413



34.3184, 40.9107, 19.3124

Complementary

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



31.9029, 40.9107, 78.8881



34.0185, 20.6744, 3.2979

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.



40.4579, 40.9107, 17.9376



31.9029, 40.9107, 78.8881



51.3690, 40.9107, 32.2619

Square

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



31.9029, 40.9107, 78.8881



49.5222, 40.9107, 69.4564



46.8166, 40.9107, 21.9733



29.8907, 40.9107, 26.4404

Rectangle

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



31.9029, 40.9107, 78.8881



41.6631, 40.9107, 88.5042



46.8166, 40.9107, 21.9733



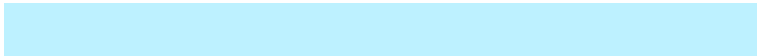
36.2321, 40.9107, 18.2596

Sweetspot

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



31.9043, 40.9121, 78.8891



70.5176, 81.1119, 106.5472



28.9870, 55.6012, 14.6447



14.5248, 16.8974, 22.7459



0.0000, 0.0000, 0.0000



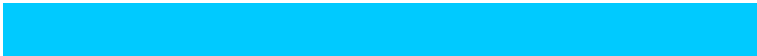
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9043, 40.9121, 78.8891



39.2779, 49.6759, 102.1260



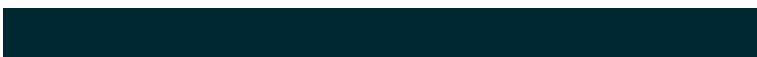
17.8116, 12.7268, 74.1916



14.5421, 15.8055, 18.4287



17.7176, 22.4972, 45.7918



1.3730, 1.7899, 3.4051

Inverse Universe

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



40.9579, 20.7081, 48.2940



51.9549, 25.5460, 58.3538



45.7642, 44.1657, 7.2131



14.8612, 14.5617, 17.4694



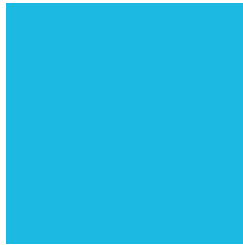
23.3365, 11.4688, 26.4648



1.7567, 0.8604, 2.1251

Previews

White Background



This preview shows how the XYZ color 31.9029, 40.9107, 78.8881 looks on a white background.

Color Contrast Check

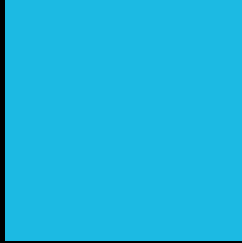
Large Text (above 18pt) WCAG AA × Fail

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 31.9029, 40.9107, 78.8881 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

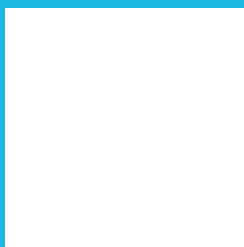
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9029, 40.9107, 78.8881

Background



This preview shows how black text looks on a background with the XYZ color 31.9029, 40.9107, 78.8881.

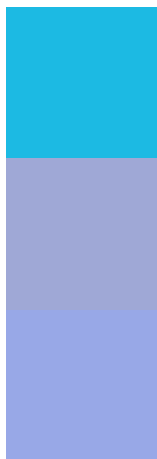


This preview shows how white text looks on a background with the XYZ color 31.9029, 40.9107,

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

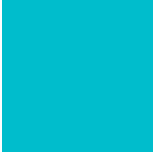
31.9029, 40.9107, 78.8881

Protanopia

40.4383, 40.2312, 69.2524

Deuteranopia

41.3753, 40.4502, 81.2283



Tritanopia

29.0967, 40.7548, 63.4597

Trichromacy



Original Color

31.9029, 40.9107, 78.8881



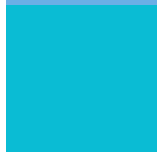
Protanomaly

34.6717, 39.1539, 72.7479



Deuteranomaly

35.6763, 39.4989, 80.6066



Tritanomaly

29.9921, 40.7844, 68.5788

Monochromacy



Original Color

31.9029, 40.9107, 78.8881



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.4049, 30.6190, 44.6155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9029, 40.9107, 78.8881 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(28, 186, 227)` looks like.

```
.text, #text, p{  
    color:rgb(28, 186, 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(28, 186, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 186, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.9029, 40.9107, 78.8881 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(28, 186, 227) }
```


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

```
.border{ border-color:rgb(28, 186, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 186, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 186, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 186, 227);  
box-shadow:4px 4px 4px 4px rgb(28, 186,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9029, 40.9107, 78.8881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 186, 227) }
```

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

```
.background{ background-color: rgb(28, 186,  
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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