

Converting Colors

XYZ(30.7151, 39.7345, 71.0030)

Have a look what the booklet for
XYZ(30.7151, 39.7345, 71.0030)
contains.

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Color

**XYZ(30.8018, 39.8918,
71.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	31B8D8
RGB	49, 184, 216
RGB Percent	19%, 72%, 85%
CMY	0.8078, 0.2784, 0.1529
CMYK	0.77, 0.15, 0.00, 0.15
HSL	191°, 68%, 52%
HSV	191°, 77%, 85%
XYZ	30.8018, 39.8918, 71.0422
YIQ	147.2830, -90.7320, -18.6680

Conversions

Conversions Part 2

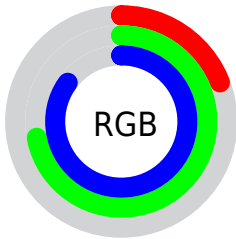
Format	Color
R_{YB}	49, 124, 216
Decimal	3258584
CIE _{Lab}	69.39, -24.63, -26.24
CIE _{LCh}	69, 35.989, 226.808
Yxy	39.8918, 0.2173, 0.2815
Android (android.graphics.Color)	4281448664 (0xFF31B8D8)
YUV	147.2830, 33.8775, -86.1942
Hunter-Lab	63.1600, -23.4792, -22.4773

Details

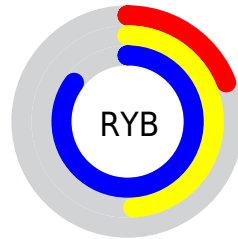
The XYZ color **30.8018, 39.8918, 71.0422** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **31.8173, 20.7077, 5.2273**, and the grayscale version is **27.7435, 29.1883, 31.7860**.

A 20% lighter version of the original color is **57.0952, 73.6051, 105.8057**, and **14.5493, 18.8058, 36.5813** is the 20% darker color. If you saturate the color by 10%, you get **29.1515, 37.7840, 70.7231**, and if you desaturate by 10%, it is **32.9786, 42.3099, 71.3950**.

Distribution



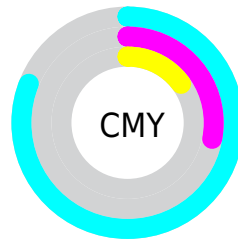
- Red (19%)
- Green (72%)
- Blue (85%)



- Red (19%)
- Yellow (49%)
- Blue (85%)



- Cyan (77%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (81%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8018, 39.8918, 71.0422 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 30.8018, 39.8918, 71.0422 by changing the saturation by 10% instead.

■ 30.8018, 39.8918,
71.0422

■ 30.8018, 39.8918,
71.0422

■ 297.4674,
345.6673, 483.0886

■ 20.5991, 27.4542,
51.8946

■ 60.3059, 74.9987,
122.3888

■ 12.9420, 17.9146,
36.5394

■ 80.3379, 98.4368,
155.4249

■ 7.4654, 10.8887,
24.5581

■ 104.3770,
126.3106, 193.9276

■ 3.8037, 5.9920,
15.5321

■ 132.7887,
159.0043, 238.3154

■ 1.5917, 2.8402,
9.0429

■ 165.9382,
196.9024, 289.0069

■ 0.3870, 1.0489,
4.6720

204.1909,

■ 0.0000, 0.0000,

240.3894, 346.4205

2.0008

247.9122,
289.8496, 410.9749

■ 0.0000, 0.0000,
0.5558

■ 0.0000, 0.0000,
0.0000

■ 30.8018, 39.8918,
71.0422

■ 30.8018, 39.8918,
71.0422

■ 29.1515, 37.7840,
70.7231

■ 32.9786, 42.3099,
71.3950

■ 27.9389, 35.9381,
70.4307

■ 35.7412, 45.0669,
71.7815

■ 27.6490, 35.4663,
70.3549

■ 39.1449, 48.1924,
72.2054

■ 43.2373, 51.7112,
72.6689

■ 48.0614, 55.6458,
73.1741

■ 53.6568, 60.0168,
73.7229

■ 60.0599, 64.8434,
74.3170

■ 67.3050, 70.1435,
74.9582

■ 75.4241, 75.9339,
75.6479

Harmonies

Analogous

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



28.2347, 39.8918, 53.3126



30.8018, 39.8918, 71.0422



35.4341, 39.8918, 82.4129

Triad

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



30.8018, 39.8918, 71.0422



49.8078, 39.8918, 51.1173



34.7899, 39.8918, 19.5225

Complementary

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



30.8018, 39.8918, 71.0422



31.8173, 20.7077, 5.2273

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.



40.5111, 39.8918, 19.2188



30.8018, 39.8918, 71.0422



49.5902, 39.8918, 34.8603

Square

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



30.8018, 39.8918, 71.0422



46.6163, 39.8918, 69.0870



46.0490, 39.8918, 24.1057



30.3717, 39.8918, 25.0785

Rectangle

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



30.8018, 39.8918, 71.0422



39.2498, 39.8918, 83.3604



46.0490, 39.8918, 24.1057



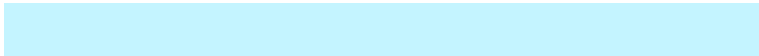
36.6127, 39.8918, 18.8634

Sweetspot

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



30.8031, 39.8932, 71.0432



73.1850, 83.5605, 106.8793



27.2577, 50.3393, 15.7975



15.0531, 17.4024, 22.8156



0.0000, 0.0000, 0.0000



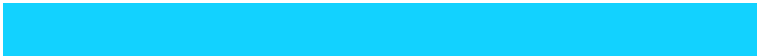
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8031, 39.8932, 71.0432



41.2339, 53.2216, 102.7073



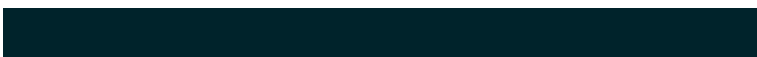
18.4030, 15.0930, 66.9098



12.5806, 13.6845, 15.9158



16.4408, 21.1434, 41.6677



1.0448, 1.3816, 2.5309

Inverse Universe

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



38.0701, 20.2577, 47.2523



53.0315, 26.3188, 62.9684



41.9928, 41.0587, 8.6192



12.8462, 12.5900, 15.1305



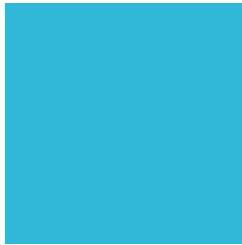
21.3574, 10.4793, 24.9840



1.3150, 0.6428, 1.6482

Previews

White Background



This preview shows how the XYZ color 30.8018, 39.8918, 71.0422 looks on a white background.

Color Contrast Check

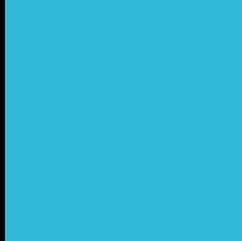
Large Text (above 18pt) WCAG AA × Fail

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 30.8018, 39.8918, 71.0422 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

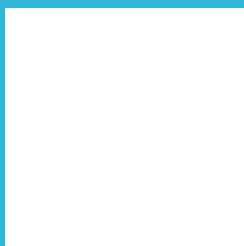
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8018, 39.8918, 71.0422

Background



This preview shows how black text looks on a background with the XYZ color 30.8018, 39.8918, 71.0422.

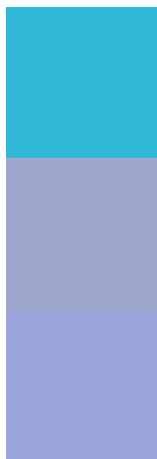


This preview shows how white text looks on a background with the XYZ color 30.8018, 39.8918,

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

30.8018, 39.8918, 71.0422

Protanopia

39.2150, 39.4706, 62.6785

Deuteranopia

40.0837, 39.1455, 73.1533



Tritanopia

28.9127, 39.7394, 62.0237

Trichromacy



Original Color

30.8018, 39.8918, 71.0422



Protanomaly

34.0745, 38.4343, 65.2971



Deuteranomaly

34.8748, 38.4014, 72.5920



Tritanomaly

29.4865, 39.6540, 65.1314

Monochromacy



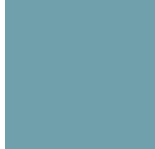
Original Color

30.8018, 39.8918, 71.0422



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.5727, 31.4997, 43.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8018, 39.8918, 71.0422 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(49, 184, 216)` looks like.

```
.text, #text, p{  
    color:rgb(49, 184, 216)  
}
```

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(49, 184, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 184, 216) }
```

Border

The CSS property to change the border of an element to XYZ 30.8018, 39.8918, 71.0422 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(49, 184, 216) }
```


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

```
.border{ border-color:rgb(49, 184, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 184, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 184, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 184, 216);  
box-shadow:4px 4px 4px 4px rgb(49, 184,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8018, 39.8918, 71.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 184, 216) }
```

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

```
.background{ background-color: rgb(49, 184,  
216) }
```

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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