

Converting Colors

XYZ(30.1582, 39.2529, 74.9890)

Have a look what the booklet for
XYZ(30.1582, 39.2529, 74.9890)
contains.

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Color

**XYZ(30.1183, 39.1409,
75.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7DE
RGB	0, 183, 222
RGB Percent	0%, 72%, 87%
CMY	0.9998, 0.2823, 0.1294
CMYK	1.00, 0.18, 0.00, 0.13
HSL	191°, 100%, 44%
HSV	191°, 100%, 87%
XYZ	30.1183, 39.1409, 75.0748
YIQ	132.7290, -121.5870, -26.6670

Conversions

Conversions Part 2

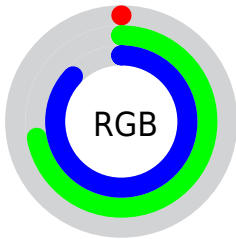
Format	Color
R _{YB}	0, 100, 222
Decimal	47070
CIE Lab	68.85, -24.87, -30.39
CIE LCh	69, 39.267, 230.707
Yxy	39.1409, 0.2087, 0.2712
Android (android.graphics.Color)	4278237150 (0xFF00B7DE)
YUV	132.7290, 44.0106, -116.4033
Hunter-Lab	62.5627, -23.5530, -27.3537

Details

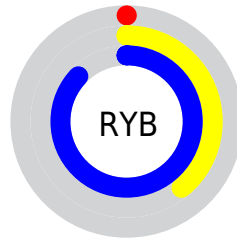
The XYZ color **30.1183, 39.1409, 75.0748** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.8521, 16.9845, 1.6538**, and the grayscale version is **22.0792, 23.2291, 25.2964**.

A 20% lighter version of the original color is **54.8604, 72.0172, 105.6170**, and **14.9577, 18.7553, 39.3910** is the 20% darker color. If you saturate the color by 10%, you get **30.1169, 39.1379, 75.0751**, and if you desaturate by 10%, it is **31.2713, 40.9470, 75.3634**.

Distribution



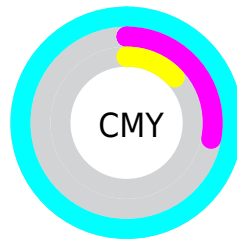
- Red (0%)
- Green (72%)
- Blue (87%)



- Red (0%)
- Yellow (39%)
- Blue (87%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1183, 39.1409, 75.0748 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 30.1183, 39.1409, 75.0748 by changing the saturation by 10% instead.

■ 30.1183, 39.1409,
75.0748

■ 30.1183, 39.1409,
75.0748

294.3554,
342.4892, 497.4369

■ 20.0769, 26.8694,
55.1721

■ 59.2346, 73.8535,
128.1663

■ 12.5596, 17.4751,
39.1400

■ 79.0401, 97.0634,
162.1922

■ 7.2009, 10.5738,
26.5600

■ 102.8312,
124.6881, 201.7628

■ 3.6355, 5.7810,
17.0135

■ 130.9730,
157.1122, 247.2968

■ 1.4981, 2.7124,
10.0821

■ 163.8310,
194.7199, 299.2127

■ 0.3245, 0.9835,
5.3471

201.7705,

■ 0.0000, 0.0000,

237.8957, 357.9290

2.3900

245.1568,
287.0240, 423.8642

■ 0.0000, 0.0000,
0.7810

■ 0.0000, 0.0000,
0.0000

■ 30.1183, 39.1409,
75.0748

■ 30.1183, 39.1409,
75.0748

■ 30.1169, 39.1379,
75.0751

■ 31.2713, 40.9470,
75.3634

■ 32.8314, 42.9958,
75.6766

■ 34.9252, 45.3532,
76.0213

■ 37.6238, 48.0563,
76.4009

■ 40.9871, 51.1363,
76.8181

■ 45.0678, 54.6204,
77.2755

■ 49.9130, 58.5333,
77.7754

■ 55.5658, 62.8974,
78.3198

■ 62.0659, 67.7334,
78.9107

Harmonies

Analogous

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



27.0819, 39.1409, 55.9399



30.1183, 39.1409, 75.0748



35.3007, 39.1409, 86.2465

Triad

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



30.1183, 39.1409, 75.0748



50.3245, 39.1409, 48.4028



33.1242, 39.1409, 17.9029

Complementary

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



30.1183, 39.1409, 75.0748



30.8521, 16.9845, 1.6538

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.



39.1709, 39.1409, 16.9302



30.1183, 39.1409, 75.0748



49.5738, 39.1409, 31.5988

Square

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



30.1183, 39.1409, 75.0748



47.2675, 39.1409, 68.2530



45.3180, 39.1409, 21.1943



28.6781, 39.1409, 24.3704

Rectangle

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



30.1183, 39.1409, 75.0748



39.4732, 39.1409, 86.0113



45.3180, 39.1409, 21.1943



35.0201, 39.1409, 17.0098

Sweetspot

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



30.1196, 39.1423, 75.0758



68.1458, 79.9857, 106.4549



26.4569, 52.3774, 10.4695



13.9571, 16.6187, 22.7221



0.0000, 0.0000, 0.0000



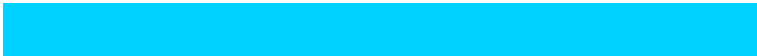
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1196, 39.1423, 75.0758



41.1443, 53.4086, 102.7481



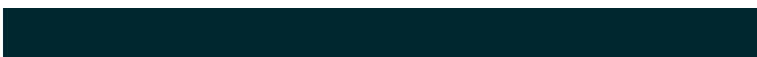
15.6369, 10.1769, 70.2482



13.9010, 15.1411, 17.5775



17.9620, 23.3936, 44.6171



1.2995, 1.7305, 3.1108

Inverse Universe

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



38.6726, 18.9500, 46.4204



52.8969, 25.9228, 63.3146



40.7178, 36.7157, 4.9424



14.1862, 13.8921, 16.7509



23.0066, 11.2696, 27.7642



1.6222, 0.7921, 2.0692

Previews

White Background



This preview shows how the XYZ color 30.1183, 39.1409, 75.0748 looks on a white background.

Color Contrast Check

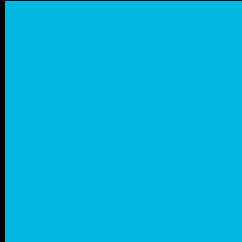
Large Text (above 18pt) WCAG AA × Fail

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 30.1183, 39.1409, 75.0748 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 30.1183, 39.1409, 75.0748

Background



This preview shows how black text looks on a background with the XYZ color 30.1183, 39.1409, 75.0748.

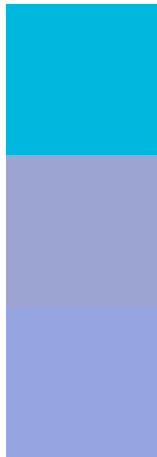


This preview shows how white text looks on a background with the XYZ color 30.1183, 39.1409,

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

30.1183, 39.1409, 75.0748

Protanopia

38.6741, 38.5816, 65.7303

Deuteranopia

39.7603, 38.8853, 77.3615



Tritanopia

27.9842, 39.2879, 60.7520

Trichromacy



Original Color

30.1183, 39.1409, 75.0748



Protanomaly

32.0357, 37.0127, 69.0740



Deuteranomaly

33.0624, 37.3742, 76.7055



Tritanomaly

28.7341, 39.2520, 65.7365

Monochromacy



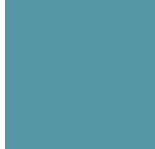
Original Color

30.1183, 39.1409, 75.0748



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.6045, 26.7811, 39.6279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1183, 39.1409, 75.0748 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, 183, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 222)  
}
```

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, 183, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 222) }
```

Border

The CSS property to change the border of an element to XYZ 30.1183, 39.1409, 75.0748 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, 183, 222) }
```


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

```
.border{ border-color:rgb(0, 183, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1183, 39.1409, 75.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 222) }
```

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

```
.background{ background-color: rgb(0, 183,  
222) }
```

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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