

Converting Colors

XYZ(30.6876, 39.7609, 76.8630)

Have a look what the booklet for
XYZ(30.6876, 39.7609, 76.8630)
contains.

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Color

**XYZ(30.5950, 39.6628,
76.5642)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8E0
RGB	0, 184, 224
RGB Percent	0%, 72%, 88%
CMY	0.9998, 0.2784, 0.1216
CMYK	1.00, 0.18, 0.00, 0.12
HSL	191°, 100%, 44%
HSV	191°, 100%, 88%
XYZ	30.5950, 39.6628, 76.5642
YIQ	133.5440, -122.5040, -26.5680

Conversions

Conversions Part 2

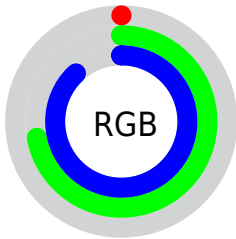
Format	Color
RYB	0, 101, 224
Decimal	47328
CIELab	69.23, -24.70, -30.90
CIELCh	69, 39.559, 231.369
Yxy	39.6628, 0.2084, 0.2701
Android (android.graphics.Color)	4278237408 (0xFF00B8E0)
YUV	133.5440, 44.5948, -117.1181
Hunter-Lab	62.9784, -23.4967, -27.9952

Details

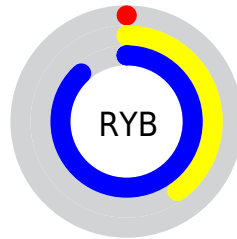
The XYZ color **30.5950, 39.6628, 76.5642** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5016, 17.3686, 1.6937**, and the grayscale version is **22.3732, 23.5383, 25.6332**.

A 20% lighter version of the original color is **55.2735, 72.6660, 105.7205**, and **15.2777, 19.0972, 40.4170** is the 20% darker color. If you saturate the color by 10%, you get **30.5937, 39.6600, 76.5645**, and if you desaturate by 10%, it is **31.7795, 41.5254, 76.8621**.

Distribution



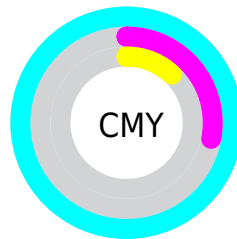
- Red (0%)
- Green (72%)
- Blue (88%)



- Red (0%)
- Yellow (40%)
- Blue (88%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (28%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5950, 39.6628, 76.5642 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 30.5950, 39.6628, 76.5642 by changing the saturation by 10% instead.

■ 30.5950, 39.6628,
76.5642

■ 30.5950, 39.6628,
76.5642

296.5284,
344.7003, 502.6750

■ 20.4410, 27.2757,
56.3858

■ 59.9821, 74.6498,
130.2915

■ 12.8261, 17.7804,
40.1063

■ 79.9458, 98.0185,
164.6775

■ 7.3851, 10.7925,
27.3070

■ 103.9101,
125.8165, 204.6365

■ 3.7525, 5.9274,
17.5695

■ 132.2404,
158.4282, 250.5871

■ 1.5631, 2.8010,
10.4751

■ 165.3021,
196.2381, 302.9476

■ 0.3682, 1.0287,
5.6054

203.4604,

■ 0.0000, 0.0000,

239.6304, 362.1368

2.5418

247.0807,
288.9897, 428.5731

■ 0.0000, 0.0000,
0.8622

■ 0.0000, 0.0000,
0.0000

■ 30.5950, 39.6628,
76.5642

■ 30.5950, 39.6628,
76.5642

■ 30.5937, 39.6600,
76.5645

■ 31.7795, 41.5254,
76.8621

■ 33.3809, 43.6375,
77.1853

■ 35.5278, 46.0662,
77.5410

■ 38.2930, 48.8493,
77.9324

■ 41.7379, 52.0189,
78.3627

■ 45.9162, 55.6028,
78.8342

■ 50.8762, 59.6262,
79.3494

■ 56.6619, 64.1121,
79.9103

■ 63.3139, 69.0816,
80.5189

Harmonies

Analogous

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



27.4564, 39.6628, 57.1825



30.5950, 39.6628, 76.5642



35.9001, 39.6628, 87.6617

Triad

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



30.5950, 39.6628, 76.5642



51.0663, 39.6628, 48.6342



33.4325, 39.6628, 18.1681

Complementary

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



30.5950, 39.6628, 76.5642



31.5016, 17.3686, 1.6937

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.



39.5555, 39.6628, 17.0666



30.5950, 39.6628, 76.5642



50.2148, 39.6628, 31.6830

Square

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



30.5950, 39.6628, 76.5642



48.0347, 39.6628, 68.8249



45.8238, 39.6628, 21.2679



28.9625, 39.6628, 24.8662

Rectangle

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



30.5950, 39.6628, 76.5642



40.1504, 39.6628, 87.1984



45.8238, 39.6628, 21.2679



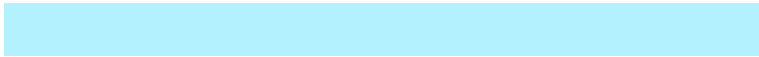
35.3481, 39.6628, 17.2229

Sweetspot

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



30.5963, 39.6642, 76.5652



68.0801, 79.8543, 106.4330



26.9965, 53.4482, 10.6752



13.9413, 16.5870, 22.7168



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.



30.5963, 39.6642, 76.5652



40.9623, 53.0446, 102.6874



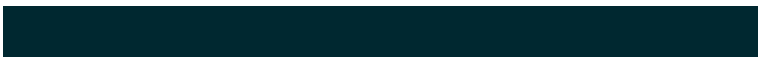
15.9513, 10.3740, 71.6835



13.8975, 15.1341, 17.5764



17.8844, 23.2383, 44.5912



1.2948, 1.7210, 3.1092

Inverse Universe

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



39.3934, 19.3094, 46.9995



52.8051, 25.8860, 62.8309



41.5443, 37.4539, 5.0412



14.1845, 13.8914, 16.7416



22.9674, 11.2540, 27.5578



1.6198, 0.7912, 2.0567

Previews

White Background



This preview shows how the XYZ color 30.5950, 39.6628, 76.5642 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 30.5950, 39.6628, 76.5642 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 30.5950, 39.6628, 76.5642

Background



This preview shows how black text looks on a background with the XYZ color 30.5950, 39.6628, 76.5642.

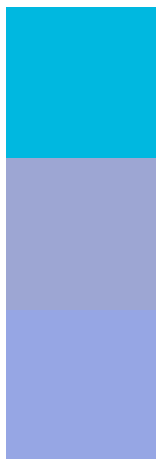


This preview shows how white text looks on a background with the XYZ color 30.5950, 39.6628,

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

30.5950, 39.6628, 76.5642

Protanopia

39.2987, 39.1437, 67.1122

Deuteranopia

40.2175, 39.3579, 78.8759



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



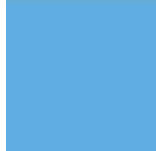
Original Color

30.5950, 39.6628, 76.5642



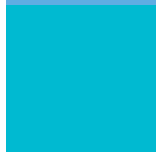
Protanomaly

32.5938, 37.5543, 70.4966



Deuteranomaly

33.5280, 37.8661, 78.2148



Tritanomaly

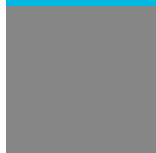
29.0675, 39.7213, 66.4566

Monochromacy



Original Color

30.5950, 39.6628, 76.5642



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.9496, 27.1778, 40.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5950, 39.6628, 76.5642 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 224) }
```

Border

The CSS property to change the border of an element to XYZ 30.5950, 39.6628, 76.5642 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, 224) }
```


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

```
.border{ border-color:rgb(0, 184, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5950, 39.6628, 76.5642 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, 224) }
```

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

```
.background{ background-color: rgb(0, 184,  
224) }
```

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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