

Converting Colors

XYZ(22.0187, 35.3908, 75.7972)

Have a look what the booklet for
XYZ(22.0187, 35.3908, 75.7972)
contains.

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Color

**XYZ(30.4598, 39.6087,
75.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8DF
RGB	0, 184, 223
RGB Percent	0%, 72%, 87%
CMY	0.9998, 0.2784, 0.1255
CMYK	1.00, 0.17, 0.00, 0.13
HSL	190°, 100%, 44%
HSV	190°, 100%, 87%
XYZ	30.4598, 39.6087, 75.8519
YIQ	133.4300, -122.1830, -26.8790

Conversions

Conversions Part 2

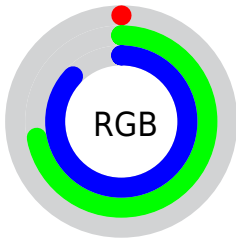
Format	Color
RYB	0, 101, 223
Decimal	47327
CIELab	69.19, -25.04, -30.42
CIELCh	69, 39.395, 230.543
Yxy	39.6087, 0.2087, 0.2714
Android (android.graphics.Color)	4278237407 (0xFF00B8DF)
YUV	133.4300, 44.1580, -117.0181
Hunter-Lab	62.9354, -23.7457, -27.4035

Details

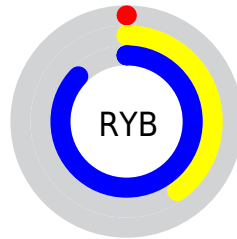
The XYZ color **30.4598, 39.6087, 75.8519** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.1595, 17.1431, 1.6683**, and the grayscale version is **22.3337, 23.4968, 25.5880**.

A 20% lighter version of the original color is **55.2735, 72.6660, 105.7205**, and **15.1842, 19.0598, 39.9244** is the 20% darker color. If you saturate the color by 10%, you get **30.4583, 39.6055, 75.8521**, and if you desaturate by 10%, it is **31.6208, 41.4275, 76.1426**.

Distribution



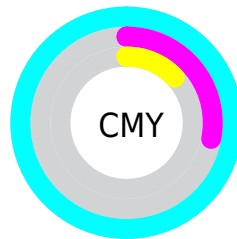
- Red (0%)
- Green (72%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4598, 39.6087, 75.8519 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 30.4598, 39.6087, 75.8519 by changing the saturation by 10% instead.

30.4598, 39.6087,
75.8519

30.4598, 39.6087,
75.8519

295.9134,
344.4715, 500.1739

20.3377, 27.2336,
55.8051

59.7702, 74.5673,
129.2757

12.7504, 17.7487,
39.6438

79.6892, 97.9195,
163.4898

7.3327, 10.7697,
26.9492

103.6045,
125.6996, 203.2635

3.7192, 5.9122,
17.3030

131.8815,
158.2920, 249.0153

1.5445, 2.7918,
10.2865

164.8855,
196.0809, 301.1636

0.3558, 1.0240,
5.4813

202.9819,

0.0000, 0.0000,

239.4509, 360.1272

2.4687

246.5361,
288.7863, 426.3244

■ 0.0000, 0.0000,
0.8235

■ 0.0000, 0.0000,
0.0000

■ 30.4598, 39.6087,
75.8519

■ 30.4598, 39.6087,
75.8519

■ 30.4583, 39.6055,
75.8521

■ 31.6208, 41.4275,
76.1426

■ 33.1933, 43.4913,
76.4580

■ 35.3048, 45.8665,
76.8052

■ 38.0273, 48.5907,
77.1875

■ 41.4214, 51.6953,
77.6079

■ 45.5403, 55.2080,
78.0688

■ 50.4316, 59.1536,
78.5726

■ 56.1390, 63.5549,
79.1213

■ 62.7026, 68.4327,
79.7169

Harmonies

Analogous

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



27.4024, 39.6087, 56.4865



30.4598, 39.6087, 75.8519



35.6910, 39.6087, 87.2118

Triad

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



30.4598, 39.6087, 75.8519



50.9084, 39.6087, 49.0836



33.5530, 39.6087, 18.1104

Complementary

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



30.4598, 39.6087, 75.8519



31.1595, 17.1431, 1.6683

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.



39.6730, 39.6087, 17.1547



30.4598, 39.6087, 75.8519



50.1711, 39.6087, 32.0600

Square

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



30.4598, 39.6087, 75.8519



47.7987, 39.6087, 69.1521



45.8839, 39.6087, 21.4994



29.0450, 39.6087, 24.6198

Rectangle

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



30.4598, 39.6087, 75.8519



39.9078, 39.6087, 87.0291



45.8839, 39.6087, 21.4994



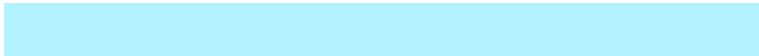
35.4730, 39.6087, 17.2165

Sweetspot

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



30.4611, 39.6101, 75.8529



68.1636, 80.0213, 106.4608



26.7260, 52.9113, 10.5724



13.9614, 16.6273, 22.7235



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.



30.4611, 39.6101, 75.8529



41.1939, 53.5077, 102.7646



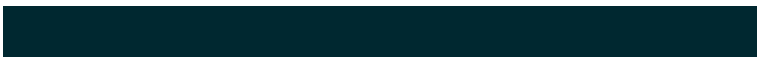
15.7939, 10.2756, 70.9638



13.9019, 15.1430, 17.5779



17.9831, 23.4359, 44.6241



1.3008, 1.7330, 3.1112

Inverse Universe

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



39.0844, 19.1502, 46.9850



52.9219, 25.9328, 63.4463



41.1301, 37.0842, 4.9919



14.1867, 13.8923, 16.7535



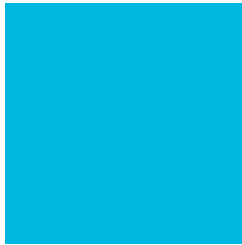
23.0173, 11.2739, 27.8204



1.6228, 0.7924, 2.0726

Previews

White Background



This preview shows how the XYZ color 30.4598, 39.6087, 75.8519 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 30.4598, 39.6087, 75.8519 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 30.4598, 39.6087, 75.8519

Background



This preview shows how black text looks on a background with the XYZ color 30.4598, 39.6087, 75.8519.

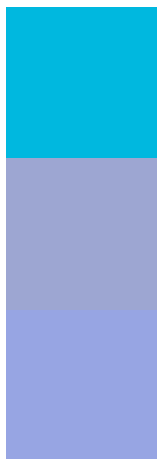


This preview shows how white text looks on a background with the XYZ color 30.4598, 39.6087,

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

30.4598, 39.6087, 75.8519

Protanopia

39.1737, 39.0937, 66.4539

Deuteranopia

40.0828, 39.0356, 78.0951



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



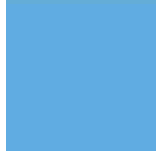
Original Color

30.4598, 39.6087, 75.8519



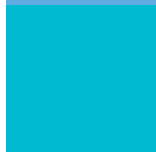
Protanomaly

32.4648, 37.5028, 69.8177



Deuteranomaly

33.3039, 37.4828, 77.4311



Tritanomaly

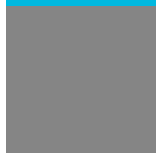
29.0675, 39.7213, 66.4566

Monochromacy



Original Color

30.4598, 39.6087, 75.8519



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.8575, 27.1409, 40.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4598, 39.6087, 75.8519 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 223) }
```

Border

The CSS property to change the border of an element to XYZ 30.4598, 39.6087, 75.8519 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, 223) }
```


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

```
.border{ border-color:rgb(0, 184, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4598, 39.6087, 75.8519 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, 223) }
```

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

```
.background{ background-color: rgb(0, 184,  
223) }
```

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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