

Converting Colors

XYZ(30.0461, 39.9232, 74.4569)

Have a look what the booklet for
XYZ(30.0461, 39.9232, 74.4569)
contains.

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Color

**XYZ(30.6101, 40.3383,
74.5794)**

Conversions

Conversions Part 1

Format	Color
Hex	00BADD
RGB	0, 186, 221
RGB Percent	0%, 73%, 87%
CMY	0.9998, 0.2706, 0.1333
CMYK	1.00, 0.16, 0.00, 0.13
HSL	190°, 100%, 43%
HSV	190°, 100%, 87%
XYZ	30.6101, 40.3383, 74.5794
YIQ	134.3760, -122.0910, -28.5470

Conversions

Conversions Part 2

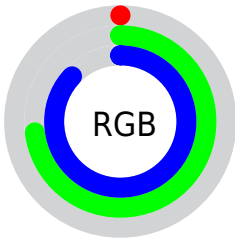
Format	Color
RYB	0, 101, 221
Decimal	47837
CIELab	69.71, -26.71, -28.52
CIElCh	70, 39.080, 226.876
Yxy	40.3383, 0.2103, 0.2772
Android (android.graphics.Color)	4278237917 (0xFF00BADD)
YUV	134.3760, 42.7056, -117.8478
Hunter-Lab	63.5124, -25.1179, -25.1625

Details

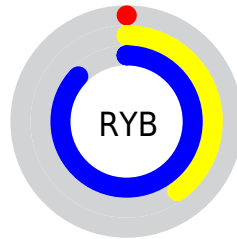
The XYZ color **30.6101, 40.3383, 74.5794** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **30.4222, 16.5779, 1.5981**, and the grayscale version is **22.6851, 23.8664, 25.9906**.

A 20% lighter version of the original color is **55.8655, 73.8501, 105.9178**, and **15.2705, 19.5282, 39.0409** is the 20% darker color. If you saturate the color by 10%, you get **30.6088, 40.3355, 74.5797**, and if you desaturate by 10%, it is **31.6917, 42.0050, 74.8449**.

Distribution



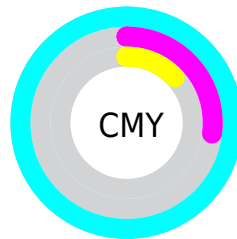
- Red (0%)
- Green (73%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6101, 40.3383, 74.5794 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 30.6101, 40.3383, 74.5794 by changing the saturation by 10% instead.

■ 30.6101, 40.3383,
74.5794

■ 30.6101, 40.3383,
74.5794

296.5971,
347.5474, 495.6875

■ 20.4525, 27.8024,
54.7687

■ 60.0057, 75.6784,
127.4584

■ 12.8346, 18.1768,
38.8192

■ 79.9744, 99.2514,
161.3639

■ 7.3909, 11.0770,
26.3124

■ 103.9443,
127.2722, 200.8046

■ 3.7563, 6.1186,
16.8296

■ 132.2805,
160.1252, 246.1993

■ 1.5652, 2.9174,
9.9524

■ 165.3486,
198.1949, 297.9663

■ 0.3696, 1.0887,
5.2622

203.5138,

■ 0.0000, 0.0000,

241.8655, 356.5244

2.3405

247.1415,
291.5216, 422.2919

■ 0.0000, 0.0000,
0.7538

■ 0.0000, 0.0000,
0.0000

■ 30.6101, 40.3383,
74.5794

■ 30.6101, 40.3383,
74.5794

■ 30.6088, 40.3355,
74.5797

■ 31.6917, 42.0050,
74.8449

■ 33.1720, 43.9034,
75.1333

■ 35.1763, 46.0992,
75.4515

■ 37.7749, 48.6288,
75.8028

■ 41.0272, 51.5229,
76.1900

■ 44.9850, 54.8085,
76.6156

■ 49.6949, 58.5097,
77.0818

■ 55.1995, 62.6487,
77.5905

■ 61.5381, 67.2459,
78.1438

Harmonies

Analogous

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



27.8361, 40.3383, 54.8338



30.6101, 40.3383, 74.5794



35.6435, 40.3383, 87.3473

Triad

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



30.6101, 40.3383, 74.5794



51.4522, 40.3383, 52.3181



34.9156, 40.3383, 18.3032

Complementary

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



30.6101, 40.3383, 74.5794



30.4222, 16.5779, 1.5981

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.



41.1699, 40.3383, 17.9757



30.6101, 40.3383, 74.5794



51.2018, 40.3383, 34.5625

Square

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



30.6101, 40.3383, 74.5794



47.9241, 40.3383, 72.3068



47.2734, 40.3383, 23.0818



30.1279, 40.3383, 24.1484

Rectangle

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



30.6101, 40.3383, 74.5794



39.8155, 40.3383, 88.3944



47.2734, 40.3383, 23.0818



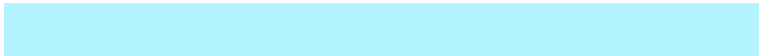
36.9021, 40.3383, 17.6146

Sweetspot

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



30.6114, 40.3397, 74.5804



68.5403, 80.7748, 106.5864



26.1348, 51.8248, 10.0793



14.0525, 16.8095, 22.7539



0.0000, 0.0000, 0.0000



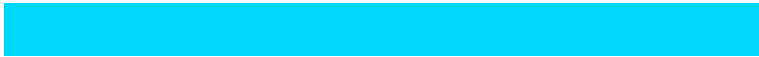
20.3446, 21.4041, 23.3091

Same Dimension

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



30.6114, 40.3397, 74.5804



42.2503, 55.6206, 103.1168



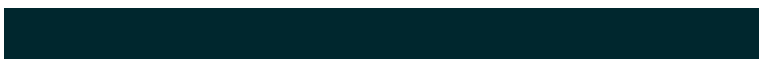
15.7332, 10.5831, 69.6210



13.2601, 14.4599, 16.7443



17.8501, 23.5696, 43.3470



1.2046, 1.6233, 2.8243

Inverse Universe

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



38.6830, 18.9189, 48.0686



53.4552, 26.1461, 66.2544



39.7430, 35.2195, 4.7050



13.5211, 13.2376, 16.0056



22.5052, 11.0031, 28.1042



1.4823, 0.7226, 1.9487

Previews

White Background



This preview shows how the XYZ color 30.6101, 40.3383, 74.5794 looks on a white background.

Color Contrast Check

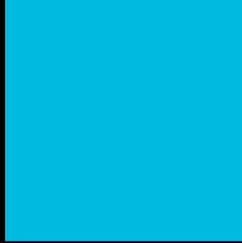
Large Text (above 18pt) WCAG AA × Fail

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 30.6101, 40.3383, 74.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

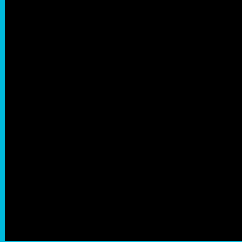
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6101, 40.3383, 74.5794

Background



This preview shows how black text looks on a background with the XYZ color 30.6101, 40.3383, 74.5794.

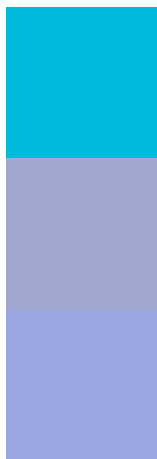


This preview shows how white text looks on a background with the XYZ color 30.6101, 40.3383,

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

30.6101, 40.3383, 74.5794

Protanopia

39.7011, 39.6651, 65.2382

Deuteranopia

40.7357, 39.9437, 76.7971



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

30.6101, 40.3383, 74.5794



Protanomaly

32.6258, 37.9010, 68.5468



Deuteranomaly

33.6276, 38.2506, 76.1317



Tritanomaly

29.4032, 40.1938, 67.1812

Monochromacy



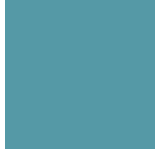
Original Color

30.6101, 40.3383, 74.5794



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

22.0205, 27.4669, 40.2174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6101, 40.3383, 74.5794 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, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 221)  
}
```

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, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 221) }
```

Border

The CSS property to change the border of an element to XYZ 30.6101, 40.3383, 74.5794 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, 186, 221) }
```


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

```
.border{ border-color:rgb(0, 186, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6101, 40.3383, 74.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 221) }
```

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

```
.background{ background-color: rgb(0, 186,  
221) }
```

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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