

Converting Colors

XYZ(23.5406, 36.8043, 71.2305)

Have a look what the booklet for
XYZ(23.5406, 36.8043, 71.2305)
contains.

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Color

**XYZ(30.0833, 40.1276,
71.8055)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAD9
RGB	0, 186, 217
RGB Percent	0%, 73%, 85%
CMY	0.9998, 0.2706, 0.1490
CMYK	1.00, 0.14, 0.00, 0.15
HSL	189°, 100%, 43%
HSV	189°, 100%, 85%
XYZ	30.0833, 40.1276, 71.8055
YIQ	133.9200, -120.8070, -29.7910

Conversions

Conversions Part 2

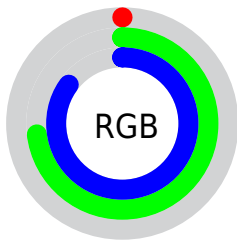
Format	Color
RYB	0, 100, 217
Decimal	47833
CIELab	69.56, -28.05, -26.57
CIELCh	70, 38.633, 223.448
Yxy	40.1276, 0.2118, 0.2826
Android (android.graphics.Color)	4278237913 (0xFF00BAD9)
YUV	133.9200, 40.9584, -117.4478
Hunter-Lab	63.3463, -26.0861, -22.8650

Details

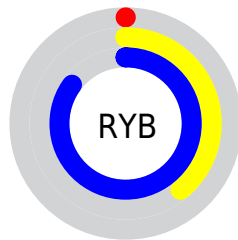
The XYZ color **30.0833, 40.1276, 71.8055** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.1072, 15.7346, 1.5045**, and the grayscale version is **22.5230, 23.6959, 25.8048**.

A 20% lighter version of the original color is **55.7460, 73.7884, 105.9122**, and **14.7729, 19.1112, 37.0926** is the 20% darker color. If you saturate the color by 10%, you get **30.0824, 40.1256, 71.8059**, and if you desaturate by 10%, it is **31.0698, 41.6172, 72.0418**.

Distribution



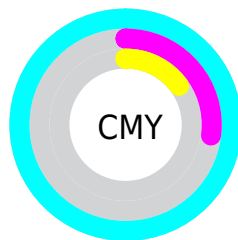
- Red (0%)
- Green (73%)
- Blue (85%)



- Red (0%)
- Yellow (39%)
- Blue (85%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0833, 40.1276, 71.8055 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 30.0833, 40.1276, 71.8055 by changing the saturation by 10% instead.

30.0833, 40.1276,
71.8055

30.0833, 40.1276,
71.8055

294.1954,
346.6611, 485.8237

20.0502, 27.6380,
52.5139

59.1796, 75.3578,
123.4851

12.5400, 18.0530,
37.0298

78.9735, 98.8672,
156.7102

7.1874, 10.9880,
24.9346

102.7518,
126.8187, 195.4170

3.6269, 6.0588,
15.8098

130.8797,
159.5966, 240.0239

1.4933, 2.8809,
9.2367

163.7227,
197.5855, 290.9494

0.3213, 1.0699,
4.7970

201.6461,

0.0000, 0.0000,

241.1696, 348.6122

2.0720

245.0152,
290.7333, 413.4308

■ 0.0000, 0.0000,
0.5990

■ 0.0000, 0.0000,
0.0000

■ 30.0833, 40.1276,
71.8055

■ 30.0833, 40.1276,
71.8055

■ 30.0824, 40.1256,
71.8059

■ 31.0698, 41.6172,
72.0418

■ 32.4343, 43.3220,
72.2990

■ 34.2980, 45.3056,
72.5836

■ 36.7280, 47.6025,
72.8989

■ 39.7810, 50.2421,
73.2475

■ 43.5065, 53.2501,
73.6317

■ 47.9490, 56.6495,
74.0537

■ 53.1493, 60.4615,
74.5154

■ 59.1448, 64.7055,
75.0186

Harmonies

Analogous

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



27.6301, 40.1276, 52.1715



30.0833, 40.1276, 71.8055



34.8264, 40.1276, 85.5480

Triad

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



30.0833, 40.1276, 71.8055



50.8217, 40.1276, 54.2190



35.4199, 40.1276, 18.0879

Complementary

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



30.0833, 40.1276, 71.8055



29.1072, 15.7346, 1.5045

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.



41.6576, 40.1276, 18.3565



30.0833, 40.1276, 71.8055



51.0254, 40.1276, 36.1852

Square

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



30.0833, 40.1276, 71.8055



46.9909, 40.1276, 73.6519



47.5204, 40.1276, 24.0818



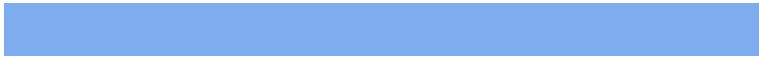
30.4769, 40.1276, 23.2088

Rectangle

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



30.0833, 40.1276, 71.8055



38.8655, 40.1276, 87.6947



47.5204, 40.1276, 24.0818



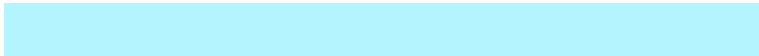
37.4237, 40.1276, 17.6040

Sweetspot

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



30.0846, 40.1290, 71.8065



68.8966, 81.4873, 106.7051



25.0353, 49.7153, 9.4375



14.1387, 16.9819, 22.7826



0.0000, 0.0000, 0.0000



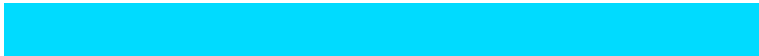
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0846, 40.1290, 71.8065



43.2680, 57.6561, 103.4560



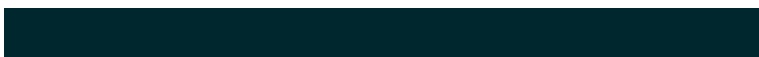
15.3646, 10.6891, 66.8998



13.2780, 14.4958, 16.7503



18.2696, 24.4087, 43.4868



1.2280, 1.6700, 2.8321

Inverse Universe

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



37.4794, 18.2983, 48.0123



53.9689, 26.3516, 68.9595



37.6261, 32.7724, 4.3441



13.5302, 13.2412, 16.0533



22.7170, 11.0878, 29.2194



1.4941, 0.7273, 2.0109

Previews

White Background



This preview shows how the XYZ color 30.0833, 40.1276, 71.8055 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 30.0833, 40.1276, 71.8055 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

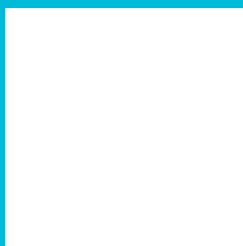
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0833, 40.1276, 71.8055

Background



This preview shows how black text looks on a background with the XYZ color 30.0833, 40.1276, 71.8055.

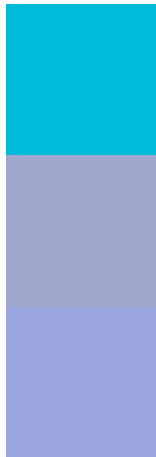


This preview shows how white text looks on a background with the XYZ color 30.0833, 40.1276,

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

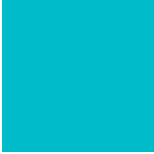
30.0833, 40.1276, 71.8055

Protanopia

39.4157, 39.5741, 62.6879

Deuteranopia

40.5313, 39.6143, 74.6173



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

30.0833, 40.1276, 71.8055



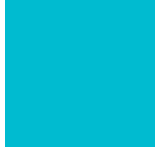
Protanomaly

32.1242, 37.7003, 65.9054



Deuteranomaly

33.0074, 37.7071, 73.2487



Tritanomaly

29.1555, 40.0947, 65.8769

Monochromacy



Original Color

30.0833, 40.1276, 71.8055



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.8384, 27.3941, 39.2585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0833, 40.1276, 71.8055 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.0833, 40.1276, 71.8055 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, 217) }
```


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

```
.border{ border-color:rgb(0, 186, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0833, 40.1276, 71.8055 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, 217) }
```

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

```
.background{ background-color: rgb(0, 186,  
217) }
```

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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