

Converting Colors

XYZ(17.4877, 31.8507, 76.6390)

Have a look what the booklet for
XYZ(17.4877, 31.8507, 76.6390)
contains.

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Color

**XYZ(30.1145, 38.4840,
77.0751)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5E1
RGB	0, 181, 225
RGB Percent	0%, 71%, 88%
CMY	0.9998, 0.2902, 0.1176
CMYK	1.00, 0.20, 0.00, 0.12
HSL	192°, 100%, 44%
HSV	192°, 100%, 88%
XYZ	30.1145, 38.4840, 77.0751
YIQ	131.8970, -122.0000, -24.6880

Conversions

Conversions Part 2

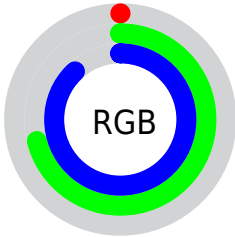
Format	Color
RYB	0, 100, 225
Decimal	46561
CIELab	68.38, -22.82, -32.77
CIELCh	68, 39.934, 235.142
Yxy	38.4840, 0.2067, 0.2642
Android (android.graphics.Color)	4278236641 (0xFF00B5E1)
YUV	131.8970, 45.8998, -115.6737
Hunter-Lab	62.0355, -21.9110, -30.2392

Details

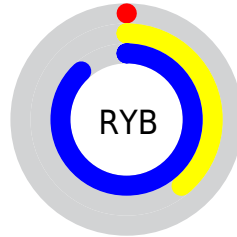
The XYZ color **30.1145, 38.4840, 77.0751** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.9548, 17.8135, 1.7559**, and the grayscale version is **21.7733, 22.9072, 24.9459**.

A 20% lighter version of the original color is **54.3976, 70.9142, 105.4285**, and **14.9749, 18.3406, 40.7810** is the 20% darker color. If you saturate the color by 10%, you get **30.1127, 38.4802, 77.0752**, and if you desaturate by 10%, it is **31.3675, 40.4802, 77.3951**.

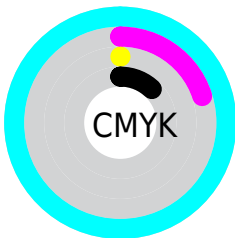
Distribution



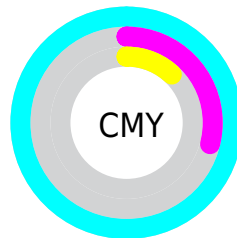
- Red (0%)
- Green (71%)
- Blue (88%)



- Red (0%)
- Yellow (39%)
- Blue (88%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1145, 38.4840, 77.0751 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 30.1145, 38.4840, 77.0751 by changing the saturation by 10% instead.

■ 30.1145, 38.4840,
77.0751

■ 30.1145, 38.4840,
77.0751

294.3381,
339.6917, 504.4645

■ 20.0740, 26.3585,
56.8026

■ 59.2286, 72.8494,
131.0195

■ 12.5574, 17.0921,
40.4385

■ 79.0329, 95.8581,
165.5284

■ 7.1994, 10.3002,
27.5642

■ 102.8226,
123.2634, 205.6199

■ 3.6346, 5.5984,
17.7612

■ 130.9629,
155.4496, 251.7125

■ 1.4975, 2.6025,
10.6110

■ 163.8192,
192.8011, 304.2247

■ 0.3242, 0.9279,
5.6951

201.7570,

■ 0.0000, 0.0000,

235.7024, 363.5751

2.5948

245.1415,
284.5378, 430.1822

■ 0.0000, 0.0000,
0.8898

■ 0.0000, 0.0000,
0.0000

■ 30.1145, 38.4840,
77.0751

■ 30.1145, 38.4840,
77.0751

■ 30.1127, 38.4802,
77.0752

■ 31.3675, 40.4802,
77.3951

■ 33.0467, 42.7377,
77.7424

■ 35.2816, 45.3245,
78.1239

■ 38.1460, 48.2789,
78.5432

■ 41.7020, 51.6333,
79.0032

■ 46.0040, 55.4160,
79.5066

■ 51.1008, 59.6526,
80.0557

■ 57.0370, 64.3665,
80.6527

■ 63.8538, 69.5792,
81.2996

Harmonies

Analogous

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



26.7187, 38.4840, 58.3396



30.1145, 38.4840, 77.0751



35.5669, 38.4840, 86.5477

Triad

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



30.1145, 38.4840, 77.0751



49.9449, 38.4840, 44.8934



31.6939, 38.4840, 17.7841

Complementary

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



30.1145, 38.4840, 77.0751



31.9548, 17.8135, 1.7559

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.



37.6078, 38.4840, 16.0663



30.1145, 38.4840, 77.0751



48.6054, 38.4840, 28.8851

Square

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



30.1145, 38.4840, 77.0751



47.3824, 38.4840, 64.8811



43.9056, 38.4840, 19.4861



27.5550, 38.4840, 25.1125

Rectangle

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



30.1145, 38.4840, 77.0751



39.8163, 38.4840, 84.8174



43.9056, 38.4840, 19.4861



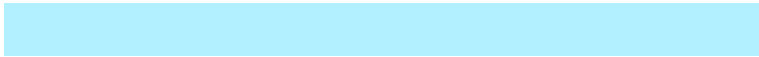
33.5200, 38.4840, 16.6398

Sweetspot

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



30.1158, 38.4853, 77.0761



67.6959, 79.0859, 106.3049



27.3317, 54.0136, 11.1104



13.8485, 16.4015, 22.6859



0.0000, 0.0000, 0.0000



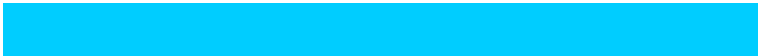
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1158, 38.4853, 77.0761



39.9105, 50.9409, 102.3368



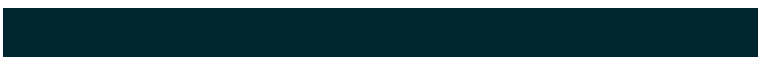
15.8633, 9.9802, 72.3252



13.8769, 15.0929, 17.5695



17.4353, 22.3402, 44.4415



1.2675, 1.6664, 3.1001

Inverse Universe

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



39.3930, 19.3453, 45.3750



52.2742, 25.6737, 60.0350



42.5696, 39.0430, 5.2941



14.1741, 13.8873, 16.6868



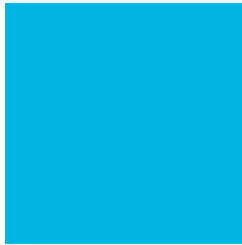
22.7408, 11.1633, 26.3643



1.6060, 0.7857, 1.9841

Previews

White Background



This preview shows how the XYZ color 30.1145, 38.4840, 77.0751 looks on a white background.

Color Contrast Check

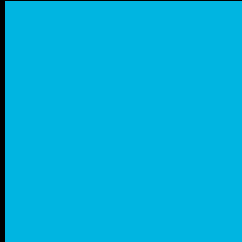
Large Text (above 18pt) WCAG AA × Fail

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 30.1145, 38.4840, 77.0751 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 30.1145, 38.4840, 77.0751

Background



This preview shows how black text looks on a background with the XYZ color 30.1145, 38.4840, 77.0751.

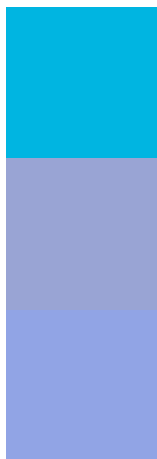


This preview shows how white text looks on a background with the XYZ color 30.1145, 38.4840,

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

30.1145, 38.4840, 77.0751

Protanopia

38.2960, 38.0767, 67.6185

Deuteranopia

39.0954, 38.2278, 79.4469



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



Original Color

30.1145, 38.4840, 77.0751



Protanomaly

31.8289, 36.3006, 70.9748



Deuteranomaly

32.7919, 36.6262, 78.7400



Tritanomaly

28.3187, 38.4210, 65.5980

Monochromacy



Original Color

30.1145, 38.4840, 77.0751



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.4454, 26.4507, 40.0516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1145, 38.4840, 77.0751 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, 181, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 225)  
}
```

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, 181, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 225) }
```

Border

The CSS property to change the border of an element to XYZ 30.1145, 38.4840, 77.0751 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, 181, 225) }
```


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

```
.border{ border-color:rgb(0, 181, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1145, 38.4840, 77.0751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 225) }
```

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

```
.background{ background-color: rgb(0, 181,  
225) }
```

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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