

Converting Colors

XYZ(31.5125, 40.5800, 75.8416)

Have a look what the booklet for
XYZ(31.5125, 40.5800, 75.8416)
contains.

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Color

**XYZ(31.4676, 40.4377,
75.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	26B9DF
RGB	38, 185, 223
RGB Percent	15%, 73%, 87%
CMY	0.8509, 0.2745, 0.1255
CMYK	0.83, 0.17, 0.00, 0.13
HSL	192°, 74%, 51%
HSV	192°, 83%, 87%
XYZ	31.4676, 40.4377, 75.9588
YIQ	145.3790, -99.8100, -19.3460

Conversions

Conversions Part 2

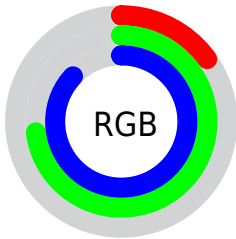
Format	Color
R _Y B	38, 120, 223
Decimal	2537951
CIE Lab	69.78, -23.85, -29.48
CIE LCh	70, 37.919, 231.033
Yxy	40.4377, 0.2128, 0.2735
Android (android.graphics.Color)	4280728031 (0xFF26B9DF)
YUV	145.3790, 38.2672, -94.1714
Hunter-Lab	63.5906, -22.9535, -26.3082

Details

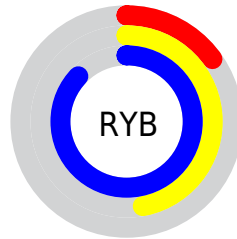
The XYZ color **31.4676, 40.4377, 75.9588** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.3677, 20.9997, 4.1301**, and the grayscale version is **26.9488, 28.3523, 30.8756**.

A 20% lighter version of the original color is **56.8414, 73.9125, 105.8784**, and **15.3191, 19.3297, 39.9694** is the 20% darker color. If you saturate the color by 10%, you get **29.9348, 38.2484, 75.6178**, and if you desaturate by 10%, it is **33.5256, 42.9451, 76.3351**.

Distribution



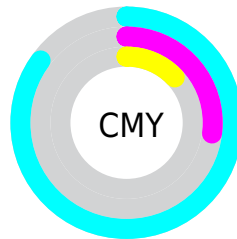
- Red (15%)
- Green (73%)
- Blue (87%)



- Red (15%)
- Yellow (47%)
- Blue (87%)



- Cyan (83%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (85%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4676, 40.4377, 75.9588 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 31.4676, 40.4377, 75.9588 by changing the saturation by 10% instead.

■ 31.4676, 40.4377,
75.9588

■ 31.4676, 40.4377,
75.9588

300.4754,
347.9650, 500.5497

■ 21.1087, 27.8800,
55.8923

■ 61.3464, 75.8296,
129.4282

■ 13.3164, 18.2352,
39.7131

■ 81.5970, 99.4325,
163.6682

■ 7.7253, 11.1190,
27.0029

■ 105.8756,
127.4860, 203.4697

■ 3.9700, 6.1469,
17.3429

■ 134.5475,
160.3743, 249.2514

■ 1.6852, 2.9346,
10.3148

■ 167.9780,
198.4820, 301.4316

■ 0.4470, 1.0977,
5.4998

206.5326,

■ 0.0000, 0.0000,

242.1934, 360.4291

2.4796

250.5766,
291.8930, 426.6623

■ 0.0000, 0.0000,
0.8293

■ 0.0000, 0.0000,
0.0000

■ 31.4676, 40.4377,
75.9588

■ 31.4676, 40.4377,
75.9588

■ 29.9348, 38.2484,
75.6178

■ 33.5256, 42.9451,
76.3351

■ 29.0796, 36.8481,
75.3926

■ 36.1816, 45.8062,
76.7474

■ 39.5006, 49.0558,
77.1997

■ 43.5377, 52.7227,
77.6947

■ 48.3422, 56.8327,
78.2348

■ 53.9589, 61.4093,
78.8221

■ 60.4291, 66.4741,
79.4587

■ 67.7911, 72.0474,
80.1464

■ 76.0809, 78.1480,
80.8870

Harmonies

Analogous

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



28.4204, 40.4377, 57.3373



31.4676, 40.4377, 75.9588



36.6210, 40.4377, 86.6693

Triad

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



31.4676, 40.4377, 75.9588



51.3386, 40.4377, 49.5222



34.3450, 40.4377, 19.3809

Complementary

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



31.4676, 40.4377, 75.9588



33.3677, 20.9997, 4.1301

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.



40.3076, 40.4377, 18.3342



31.4676, 40.4377, 75.9588



50.5623, 40.4377, 32.9592

Square

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



31.4676, 40.4377, 75.9588



48.3815, 40.4377, 68.9460



46.3613, 40.4377, 22.5987



29.9543, 40.4377, 25.9815

Rectangle

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



31.4676, 40.4377, 75.9588



40.7425, 40.4377, 86.3368



46.3613, 40.4377, 22.5987



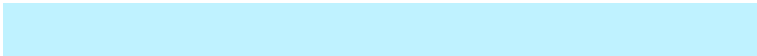
36.2160, 40.4377, 18.4527

Sweetspot

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



31.4690, 40.4391, 75.9598



71.3225, 81.7762, 106.6330



28.4586, 53.6966, 15.5241



14.6809, 17.0288, 22.7631



0.0000, 0.0000, 0.0000



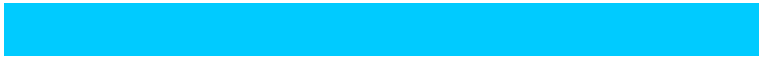
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4690, 40.4391, 75.9598



39.3158, 49.7516, 102.1386



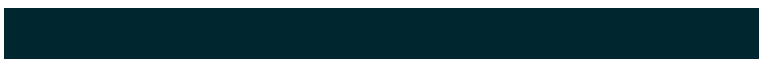
18.0791, 13.6595, 71.4965



13.8650, 15.0691, 17.5656



17.1813, 21.8322, 44.3569



1.2520, 1.6354, 3.0949

Inverse Universe

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



39.8827, 20.5785, 47.7702



51.9740, 25.5536, 58.4545



44.6937, 43.6517, 7.9054



14.1681, 13.8849, 16.6553



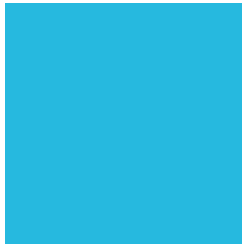
22.6125, 11.1120, 25.6892



1.5982, 0.7825, 1.9429

Previews

White Background



This preview shows how the XYZ color 31.4676, 40.4377, 75.9588 looks on a white background.

Color Contrast Check

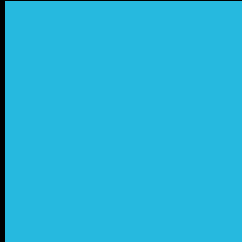
Large Text (above 18pt) WCAG AA × Fail

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 31.4676, 40.4377, 75.9588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

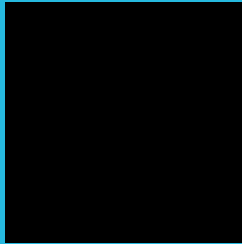
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4676, 40.4377, 75.9588

Background



This preview shows how black text looks on a background with the XYZ color 31.4676, 40.4377, 75.9588.

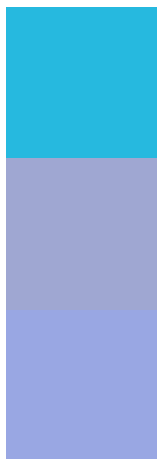


This preview shows how white text looks on a background with the XYZ color 31.4676, 40.4377,

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

31.4676, 40.4377, 75.9588

Protanopia

39.7497, 39.6615, 66.5332

Deuteranopia

40.8207, 39.9558, 78.2338



Tritanopia

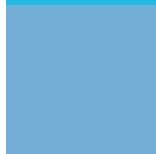
28.7627, 40.2782, 62.7584

Trichromacy



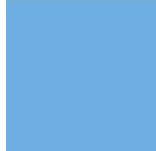
Original Color

31.4676, 40.4377, 75.9588



Protanomaly

34.4720, 38.8232, 69.9667



Deuteranomaly

35.4191, 39.1426, 77.6400



Tritanomaly

29.5843, 40.2872, 67.1897

Monochromacy



Original Color

31.4676, 40.4377, 75.9588



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.0575, 31.2229, 44.1884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4676, 40.4377, 75.9588 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(38, 185, 223)` looks like.

```
.text, #text, p{  
    color:rgb(38, 185, 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(38, 185, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 185, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.4676, 40.4377, 75.9588 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(38, 185, 223) }
```


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

```
.border{ border-color:rgb(38, 185, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 185, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 185, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 185, 223);  
box-shadow:4px 4px 4px 4px rgb(38, 185,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4676, 40.4377, 75.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 185, 223) }
```

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

```
.background{ background-color: rgb(38, 185,  
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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