

Converting Colors

XYZ(31.5453, 41.2920, 77.7142)

Have a look what the booklet for
XYZ(31.5453, 41.2920, 77.7142)
contains.

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Color

**XYZ(31.5738, 41.4027,
77.5616)**

Conversions

Conversions Part 1

Format	Color
Hex	00BCE1
RGB	0, 188, 225
RGB Percent	0%, 74%, 88%
CMY	0.9998, 0.2627, 0.1176
CMYK	1.00, 0.16, 0.00, 0.12
HSL	190°, 100%, 44%
HSV	190°, 100%, 88%
XYZ	31.5738, 41.4027, 77.5616
YIQ	136.0060, -123.9250, -28.3490

Conversions

Conversions Part 2

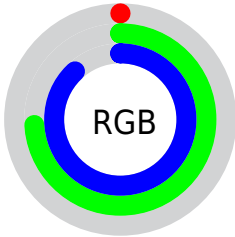
Format	Color
RYB	0, 102, 225
Decimal	48353
CIELab	70.46, -26.38, -29.55
CIELCh	70, 39.612, 228.252
Yxy	41.4027, 0.2097, 0.2750
Android (android.graphics.Color)	4278238433 (0xFF00BCE1)
YUV	136.0060, 43.8740, -119.2773
Hunter-Lab	64.3449, -25.0144, -26.4269

Details

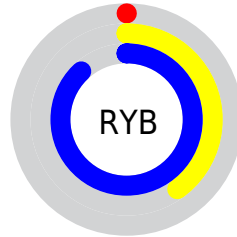
The XYZ color **31.5738, 41.4027, 77.5616** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.7152, 17.3342, 1.6758**, and the grayscale version is **23.2846, 24.4972, 26.6775**.

A 20% lighter version of the original color is **56.4641, 75.0472, 106.1173**, and **15.7808, 19.9525, 41.0497** is the 20% darker color. If you saturate the color by 10%, you get **31.5727, 41.4001, 77.5620**, and if you desaturate by 10%, it is **32.7185, 43.1823, 77.8456**.

Distribution



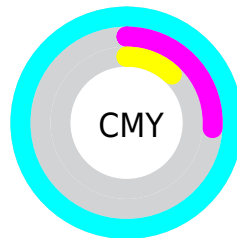
- Red (0%)
- Green (74%)
- Blue (88%)



- Red (0%)
- Yellow (40%)
- Blue (88%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (26%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5738, 41.4027, 77.5616 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 31.5738, 41.4027, 77.5616 by changing the saturation by 10% instead.

31.5738, 41.4027,
77.5616

31.5738, 41.4027,
77.5616

300.9531,
352.0009, 506.1651

21.1901, 28.6339,
57.1996

61.5121, 77.2948,
131.7122

13.3763, 18.8040,
40.7551

81.7974, 101.1869,
166.3378

7.7670, 11.5288,
27.8095

106.1139,
129.5556, 206.5551

3.9967, 6.4237,
17.9443

134.8271,
162.7852, 252.7826

1.7003, 3.1044,
10.7410

168.3023,
201.2601, 305.4388

0.4565, 1.1865,
5.7810

206.9047,

0.0000, 0.0506,

245.3648, 364.9423

2.6457

250.9999,
295.4836, 431.7115

■ 0.0000, 0.0000,
0.9159

■ 0.0000, 0.0000,
0.0000

■ 31.5738, 41.4027,
77.5616

■ 31.5738, 41.4027,
77.5616

■ 31.5727, 41.4001,
77.5620

■ 32.7185, 43.1823,
77.8456

■ 34.2811, 45.2069,
78.1540

■ 36.3912, 47.5443,
78.4940

■ 39.1225, 50.2327,
78.8689

■ 42.5369, 53.3042,
79.2818

■ 46.6888, 56.7871,
79.7353

■ 51.6269, 60.7067,
80.2315

■ 57.3957, 65.0861,
80.7728

■ 64.0363, 69.9466,
81.3610

Harmonies

Analogous

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



28.5971, 41.4027, 57.2996



31.5738, 41.4027, 77.5616



36.8520, 41.4027, 90.2152

Triad

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



31.5738, 41.4027, 77.5616



52.9610, 41.4027, 52.8007



35.5511, 41.4027, 18.8387

Complementary

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



31.5738, 41.4027, 77.5616



31.7152, 17.3342, 1.6758

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.



41.9627, 41.4027, 18.2549



31.5738, 41.4027, 77.5616



52.5130, 41.4027, 34.7351

Square

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



31.5738, 41.4027, 77.5616



49.4767, 41.4027, 73.4945



48.3130, 41.4027, 23.2318



30.7124, 41.4027, 25.1350

Rectangle

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



31.5738, 41.4027, 77.5616



41.1808, 41.4027, 90.8210



48.3130, 41.4027, 23.2318



37.5782, 41.4027, 18.0473

Sweetspot

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



31.5752, 41.4042, 77.5626



68.4016, 80.4973, 106.5401



27.2120, 53.9657, 10.4802



14.0190, 16.7424, 22.7427



0.0000, 0.0000, 0.0000



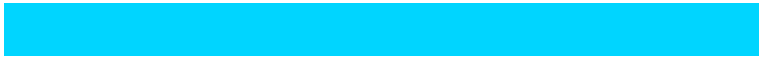
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5752, 41.4042, 77.5626



41.8590, 54.8379, 102.9863



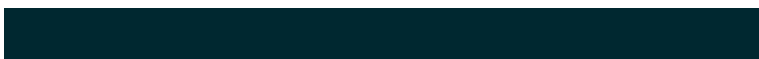
16.3719, 10.9976, 72.4949



13.9146, 15.1684, 17.5821



18.2669, 24.0033, 44.7187



1.3179, 1.7674, 3.1169

Inverse Universe

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



40.1297, 19.6398, 49.2542



53.2577, 26.0671, 65.2142



41.3725, 36.6488, 4.8949



14.1931, 13.8949, 16.7872



23.1605, 11.3312, 28.5745



1.6315, 0.7959, 2.1183

Previews

White Background



This preview shows how the XYZ color 31.5738, 41.4027, 77.5616 looks on a white background.

Color Contrast Check

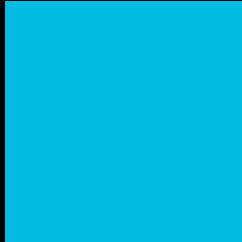
Large Text (above 18pt) WCAG AA × Fail

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 31.5738, 41.4027, 77.5616 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 31.5738, 41.4027, 77.5616

Background



This preview shows how black text looks on a background with the XYZ color 31.5738, 41.4027, 77.5616.

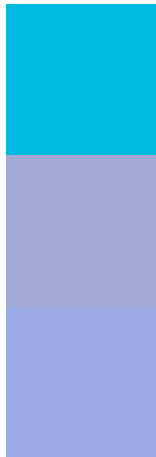


This preview shows how white text looks on a background with the XYZ color 31.5738, 41.4027,

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

31.5738, 41.4027, 77.5616

Protanopia

40.7696, 40.7065, 67.9957

Deuteranopia

41.8484, 41.0016, 79.8372



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



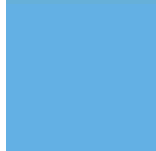
Original Color

31.5738, 41.4027, 77.5616



Protanomaly

33.5292, 38.8852, 71.3841



Deuteranomaly

34.6745, 39.3048, 79.1578



Tritanomaly

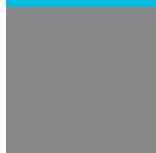
30.0813, 41.1487, 68.6444

Monochromacy



Original Color

31.5738, 41.4027, 77.5616



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.7197, 28.2961, 41.3100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5738, 41.4027, 77.5616 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, 188, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 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, 188, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.5738, 41.4027, 77.5616 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, 188, 225) }
```


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

```
.border{ border-color:rgb(0, 188, 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, 188, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 188, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 188, 225); box-shadow:4px 4px 4px 4px rgb(0, 188, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5738, 41.4027, 77.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 225) }
```

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

```
.background{ background-color: rgb(0, 188,  
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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