

Converting Colors

XYZ(29.5333, 38.3664, 77.9647)

Have a look what the booklet for
XYZ(29.5333, 38.3664, 77.9647)
contains.

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Color

**XYZ(30.4554, 38.9469,
77.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6E2
RGB	0, 182, 226
RGB Percent	0%, 71%, 89%
CMY	0.9998, 0.2863, 0.1137
CMYK	1.00, 0.19, 0.00, 0.11
HSL	192°, 100%, 44%
HSV	192°, 100%, 89%
XYZ	30.4554, 38.9469, 77.8638
YIQ	132.5980, -122.5960, -24.9000

Conversions

Conversions Part 2

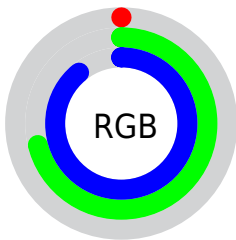
Format	Color
RYB	0, 101, 226
Decimal	46818
CIELab	68.71, -22.99, -32.79
CIELCh	69, 40.052, 234.962
Yxy	38.9469, 0.2068, 0.2645
Android (android.graphics.Color)	4278236898 (0xFF00B6E2)
YUV	132.5980, 46.0472, -116.2884
Hunter-Lab	62.4075, -22.1034, -30.2890

Details

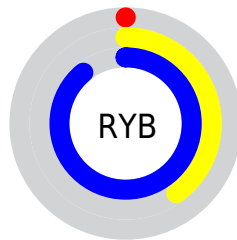
The XYZ color **30.4554, 38.9469, 77.8638** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.2674, 17.9745, 1.7704**, and the grayscale version is **22.0251, 23.1721, 25.2344**.

A 20% lighter version of the original color is **54.6879, 71.4949, 105.5253**, and **15.1060, 18.6028, 40.8247** is the 20% darker color. If you saturate the color by 10%, you get **30.4538, 38.9434, 77.8640**, and if you desaturate by 10%, it is **31.7171, 40.9571, 78.1861**.

Distribution



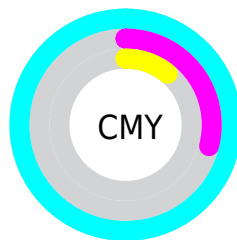
- Red (0%)
- Green (71%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4554, 38.9469, 77.8638 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 30.4554, 38.9469, 77.8638 by changing the saturation by 10% instead.

■ 30.4554, 38.9469,
77.8638

■ 30.4554, 38.9469,
77.8638

■ 295.8933,
341.6647, 507.2198

■ 20.3343, 26.7184,
57.4463

■ 59.7633, 73.5572,
132.1422

■ 12.7479, 17.3619,
40.9519

■ 79.6808, 96.7078,
166.8403

■ 7.3310, 10.4928,
27.9621

■ 103.5946,
124.2679, 207.1355

■ 3.7181, 5.7269,
18.0583

■ 131.8698,
156.6219, 253.4466

■ 1.5439, 2.6798,
10.8220

■ 164.8720,
194.1542, 306.1921

■ 0.3554, 0.9669,
5.8346

202.9664,

■ 0.0000, 0.0000,

237.2491, 365.7904

2.6776

246.5184,
286.2912, 432.6601

■ 0.0000, 0.0000,
0.9321

■ 0.0000, 0.0000,
0.0000

■ 30.4554, 38.9469,
77.8638

■ 30.4554, 38.9469,
77.8638

■ 30.4538, 38.9434,
77.8640

■ 31.7171, 40.9571,
78.1861

■ 33.4092, 43.2310,
78.5358

■ 35.6626, 45.8371,
78.9201

■ 38.5518, 48.8140,
79.3424

■ 42.1395, 52.1946,
79.8058

■ 46.4808, 56.0076,
80.3130

■ 51.6250, 60.2787,
80.8663

■ 57.6172, 65.0316,
81.4678

■ 64.4990, 70.2880,
82.1197

Harmonies

Analogous

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



27.0361, 38.9469, 58.8985



30.4554, 38.9469, 77.8638



35.9583, 38.9469, 87.5156

Triad

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



30.4554, 38.9469, 77.8638



50.5263, 38.9469, 45.5448



32.1115, 38.9469, 17.9901

Complementary

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



30.4554, 38.9469, 77.8638



32.2674, 17.9745, 1.7704

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.



38.0980, 38.9469, 16.2833



30.4554, 38.9469, 77.8638



49.1960, 38.9469, 29.3221

Square

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



30.4554, 38.9469, 77.8638



47.9141, 38.9469, 65.7547



44.4612, 38.9469, 19.7759



27.9131, 38.9469, 25.3652

Rectangle

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



30.4554, 38.9469, 77.8638



40.2526, 38.9469, 85.8280



44.4612, 38.9469, 19.7759



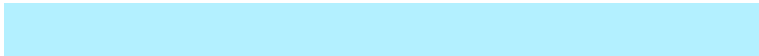
33.9612, 38.9469, 16.8432

Sweetspot

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



30.4567, 38.9483, 77.8648



67.7155, 79.1251, 106.3114



27.6060, 54.5571, 11.2175



13.8532, 16.4109, 22.6874



0.0000, 0.0000, 0.0000



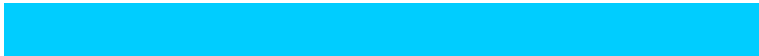
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4567, 38.9483, 77.8648



39.9635, 51.0471, 102.3545



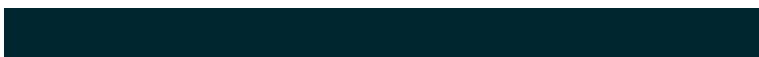
16.0202, 10.0753, 73.0526



13.8779, 15.0950, 17.5699



17.4580, 22.3856, 44.4491



1.2689, 1.6692, 3.1006

Inverse Universe

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



39.8087, 19.5476, 45.9321



52.3009, 25.6844, 60.1761



42.9950, 39.4297, 5.3462



14.1746, 13.8875, 16.6896



22.7522, 11.1679, 26.4245



1.6067, 0.7860, 1.9878

Previews

White Background



This preview shows how the XYZ color 30.4554, 38.9469, 77.8638 looks on a white background.

Color Contrast Check

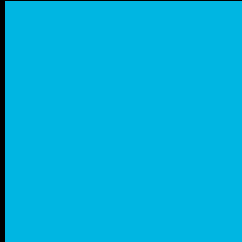
Large Text (above 18pt) WCAG AA × Fail

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 30.4554, 38.9469, 77.8638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

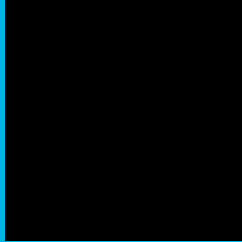
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4554, 38.9469, 77.8638

Background



This preview shows how black text looks on a background with the XYZ color 30.4554, 38.9469, 77.8638.

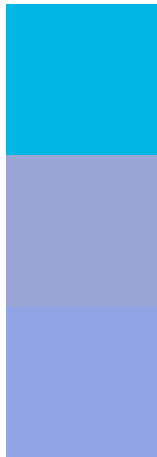


This preview shows how white text looks on a background with the XYZ color 30.4554, 38.9469,

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

30.4554, 38.9469, 77.8638

Protanopia

38.7918, 38.5844, 68.3538

Deuteranopia

39.4124, 38.3751, 80.1928



Tritanopia

27.7743, 38.8681, 60.6820

Trichromacy



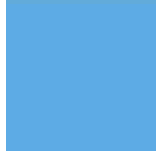
Original Color

30.4554, 38.9469, 77.8638



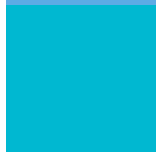
Protanomaly

32.2548, 36.7844, 71.7298



Deuteranomaly

33.2200, 37.1101, 79.5408



Tritanomaly

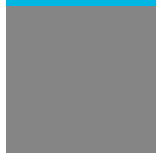
28.6491, 38.8844, 66.3171

Monochromacy



Original Color

30.4554, 38.9469, 77.8638



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.7880, 26.8545, 40.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4554, 38.9469, 77.8638 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, 182, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 226)  
}
```

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, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 226) }
```

Border

The CSS property to change the border of an element to XYZ 30.4554, 38.9469, 77.8638 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, 182, 226) }
```


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

```
.border{ border-color:rgb(0, 182, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4554, 38.9469, 77.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 226) }
```

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

```
.background{ background-color: rgb(0, 182,  
226) }
```

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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