

Converting Colors

XYZ(30.9680, 40.3762, 76.1096)

Have a look what the booklet for
XYZ(30.9680, 40.3762, 76.1096)
contains.

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Color

**XYZ(31.0162, 40.5167,
75.9978)**

Conversions

Conversions Part 1

Format	Color
Hex	0BBADF
RGB	11, 186, 223
RGB Percent	4%, 73%, 87%
CMY	0.9567, 0.2706, 0.1255
CMYK	0.95, 0.17, 0.00, 0.13
HSL	190°, 91%, 46%
HSV	190°, 95%, 87%
XYZ	31.0162, 40.5167, 75.9978
YIQ	137.8930, -116.1770, -25.5930

Conversions

Conversions Part 2

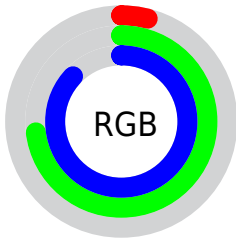
Format	Color
RYB	11, 107, 223
Decimal	768735
CIELab	69.84, -25.75, -29.42
CIELCh	70, 39.094, 228.804
Yxy	40.5167, 0.2102, 0.2746
Android (android.graphics.Color)	4278958815 (0xFF0BBADF)
YUV	137.8930, 41.9578, -111.2852
Hunter-Lab	63.6527, -24.4142, -26.2320

Details

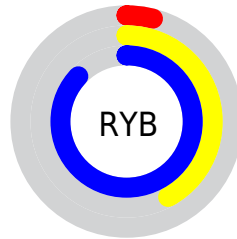
The XYZ color **31.0162, 40.5167, 75.9978** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5515, 17.8305, 2.0969**, and the grayscale version is **24.0000, 25.2499, 27.4971**.

A 20% lighter version of the original color is **56.1088, 73.9755, 105.9292**, and **15.4554, 19.6022, 40.0148** is the 20% darker color. If you saturate the color by 10%, you get **30.4751, 39.6392, 75.8577**, and if you desaturate by 10%, it is **32.3487, 42.4385, 76.2993**.

Distribution



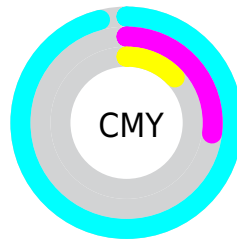
- Red (4%)
- Green (73%)
- Blue (87%)



- Red (4%)
- Yellow (42%)
- Blue (87%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0162, 40.5167, 75.9978 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 31.0162, 40.5167, 75.9978 by changing the saturation by 10% instead.

■ 31.0162, 40.5167,
75.9978

■ 31.0162, 40.5167,
75.9978

298.4385,
348.2966, 500.6868

■ 20.7631, 27.9416,
55.9241

■ 60.6412, 75.9497,
129.4839

■ 13.0624, 18.2817,
39.7385

■ 80.7439, 99.5764,
163.7333

■ 7.5488, 11.1524,
27.0224

■ 104.8604,
127.6558, 203.5449

■ 3.8570, 6.1694,
17.3575

■ 133.3561,
160.5722, 249.3375

■ 1.6216, 2.9484,
10.3251

■ 166.5964,
198.7101, 301.5294

■ 0.4064, 1.1048,
5.5066

204.9467,

■ 0.0000, 0.0000,

242.4539, 360.5392

2.4836

248.7723,
292.1879, 426.7855

■ 0.0000, 0.0000,
0.8314

■ 0.0000, 0.0000,
0.0000

■ 31.0162, 40.5167,
75.9978

■ 31.0162, 40.5167,
75.9978

■ 30.4751, 39.6392,
75.8577

■ 32.3487, 42.4385,
76.2993

■ 34.1756, 44.6478,
76.6295

■ 36.5786, 47.1879,
76.9931

■ 39.6235, 50.0928,
77.3933

■ 43.3670, 53.3919,
77.8328

■ 47.8592, 57.1115,
78.3140

■ 53.1458, 61.2753,
78.8391

■ 59.2684, 65.9050,
79.4100

■ 66.2660, 71.0209,
80.0286

Harmonies

Analogous

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



28.0714, 40.5167, 56.3713



31.0162, 40.5167, 75.9978



36.1879, 40.5167, 88.0661

Triad

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



31.0162, 40.5167, 75.9978



51.7691, 40.5167, 51.2584



34.7077, 40.5167, 18.6067

Complementary

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



31.0162, 40.5167, 75.9978



31.5515, 17.8305, 2.0969

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.



40.9292, 40.5167, 17.9397



31.0162, 40.5167, 75.9978



51.2602, 40.5167, 33.7793

Square

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



31.0162, 40.5167, 75.9978



48.4451, 40.5167, 71.3813



47.1227, 40.5167, 22.6917



30.0354, 40.5167, 24.8630

Rectangle

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



31.0162, 40.5167, 75.9978



40.4086, 40.5167, 88.4687



47.1227, 40.5167, 22.6917



36.6717, 40.5167, 17.8009

Sweetspot

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



31.0176, 40.5181, 75.9988



68.8970, 80.6083, 106.5354



27.0273, 53.0477, 11.4386



14.1014, 16.7420, 22.7383



0.0000, 0.0000, 0.0000



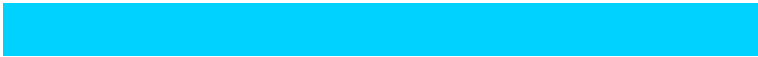
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0176, 40.5181, 75.9988



41.2168, 53.5537, 102.7723



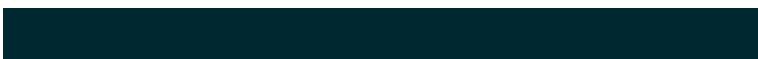
16.4530, 11.3890, 71.1439



13.9024, 15.1439, 17.5780



17.9929, 23.4555, 44.6274



1.3014, 1.7342, 3.1114

Inverse Universe

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



39.4152, 19.4740, 48.1372



52.9335, 25.9374, 63.5074



41.7778, 38.2831, 5.5056



14.1869, 13.8924, 16.7546



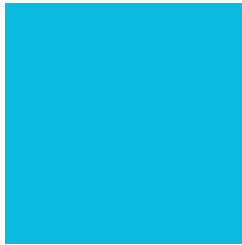
23.0222, 11.2759, 27.8464



1.6231, 0.7925, 2.0742

Previews

White Background



This preview shows how the XYZ color 31.0162, 40.5167, 75.9978 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 31.0162, 40.5167, 75.9978 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

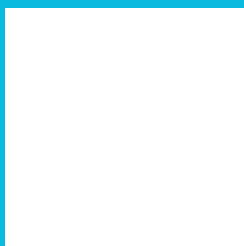
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0162, 40.5167, 75.9978

Background



This preview shows how black text looks on a background with the XYZ color 31.0162, 40.5167, 75.9978.

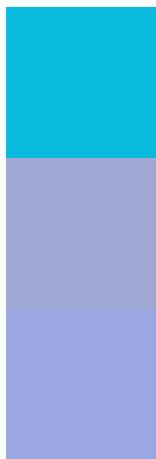


This preview shows how white text looks on a background with the XYZ color 31.0162, 40.5167,

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

31.0162, 40.5167, 75.9978

Protanopia

39.9336, 40.0293, 66.5945

Deuteranopia

41.0103, 40.0535, 78.2427



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



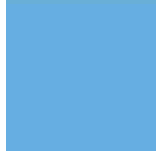
Original Color

31.0162, 40.5167, 75.9978



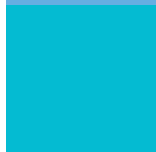
Protanomaly

33.4214, 38.5695, 69.9731



Deuteranomaly

34.3430, 38.5879, 77.5896



Tritanomaly

29.4533, 40.2196, 67.1836

Monochromacy



Original Color

31.0162, 40.5167, 75.9978



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.2964, 28.5826, 41.8253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0162, 40.5167, 75.9978 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(11, 186, 223)` looks like.

```
.text, #text, p{  
    color:rgb(11, 186, 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(11, 186, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 186, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.0162, 40.5167, 75.9978 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(11, 186, 223) }
```


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

```
.border{ border-color:rgb(11, 186, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 186, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 186, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 186, 223);  
box-shadow:4px 4px 4px 4px rgb(11, 186,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0162, 40.5167, 75.9978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 186, 223) }
```

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

```
.background{ background-color: rgb(11, 186,  
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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