

Converting Colors

XYZ(31.4503, 41.4274, 75.9424)

Have a look what the booklet for
XYZ(31.4503, 41.4274, 75.9424)
contains.

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Color

**XYZ(31.4541, 41.3723,
76.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	0CBCDF
RGB	12, 188, 223
RGB Percent	5%, 74%, 87%
CMY	0.9528, 0.2627, 0.1255
CMYK	0.95, 0.16, 0.00, 0.13
HSL	190°, 90%, 46%
HSV	190°, 95%, 87%
XYZ	31.4541, 41.3723, 76.1399
YIQ	139.3660, -116.1310, -26.4270

Conversions

Conversions Part 2

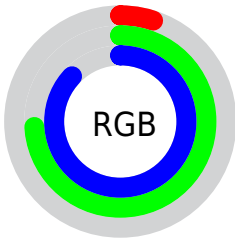
Format	Color
RYB	12, 108, 223
Decimal	834783
CIELab	70.44, -26.72, -28.49
CIELCh	70, 39.063, 226.836
Yxy	41.3723, 0.2111, 0.2777
Android (android.graphics.Color)	4279024863 (0xFF0CBCDF)
YUV	139.3660, 41.2316, -111.7000
Hunter-Lab	64.3213, -25.2731, -25.1592

Details

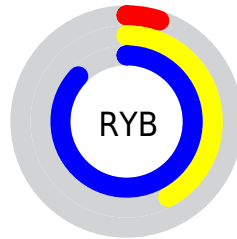
The XYZ color **31.4541, 41.3723, 76.1399** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **31.5169, 17.7516, 2.1147**, and the grayscale version is **24.5657, 25.8451, 28.1453**.

A 20% lighter version of the original color is **56.7074, 75.1726, 106.1287**, and **15.5930, 19.8773, 40.0607** is the 20% darker color. If you saturate the color by 10%, you get **30.8791, 40.4470, 75.9924**, and if you desaturate by 10%, it is **32.7750, 43.2424, 76.4321**.

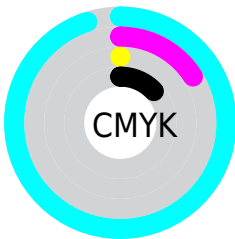
Distribution



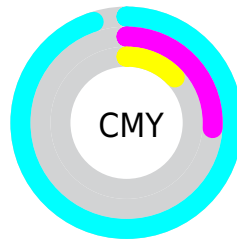
- Red (5%)
- Green (74%)
- Blue (87%)



- Red (5%)
- Yellow (42%)
- Blue (87%)



- Cyan (95%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (95%)
- Magenta (26%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4541, 41.3723, 76.1399 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 31.4541, 41.3723, 76.1399 by changing the saturation by 10% instead.

31.4541, 41.3723,
76.1399

31.4541, 41.3723,
76.1399

300.4146,
351.8742, 501.1860

21.0984, 28.6101,
56.0399

61.3253, 77.2487,
129.6865

13.3088, 18.7861,
39.8307

81.5715, 101.1318,
163.9703

7.7200, 11.5158,
27.0938

105.8452,
129.4905, 203.8189

3.9666, 6.4149,
17.4106

134.5119,
162.7094, 249.6512

1.6833, 3.0990,
10.3626

167.9368,
201.1729, 301.8854

0.4458, 1.1836,
5.5313

206.4853,

0.0000, 0.0483,

245.2652, 360.9403

2.4981

250.5228,
295.3709, 427.2343

■ 0.0000, 0.0000,
0.8392

■ 0.0000, 0.0000,
0.0000

■ 31.4541, 41.3723,
76.1399

■ 31.4541, 41.3723,
76.1399

■ 30.8791, 40.4470,
75.9924

■ 32.7750, 43.2424,
76.4321

■ 34.5921, 45.3979,
76.7523

■ 36.9865, 47.8815,
77.1055

■ 40.0233, 50.7271,
77.4947

■ 43.7588, 53.9637,
77.9226

■ 48.2430, 57.6175,
78.3915

■ 53.5212, 61.7120,
78.9036

■ 59.6351, 66.2688,
79.4609

■ 66.6233, 71.3082,
80.0653

Harmonies

Analogous

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



28.6327, 41.3723, 56.1057



31.4541, 41.3723, 76.1399



36.5730, 41.3723, 89.0926

Triad

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



31.4541, 41.3723, 76.1399



52.6384, 41.3723, 53.6060



35.8484, 41.3723, 18.9372

Complementary

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



31.4541, 41.3723, 76.1399



31.5169, 17.7516, 2.1147

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.



42.2078, 41.3723, 18.6094



31.4541, 41.3723, 76.1399



52.3896, 41.3723, 35.5469

Square

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



31.4541, 41.3723, 76.1399



49.0525, 41.3723, 73.8853



48.4060, 41.3723, 23.8347



30.9737, 41.3723, 24.9001

Rectangle

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



31.4541, 41.3723, 76.1399



40.8138, 41.3723, 90.1668



48.4060, 41.3723, 23.8347



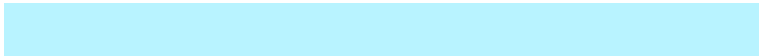
37.8692, 41.3723, 18.2353

Sweetspot

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



31.4555, 41.3738, 76.1409



69.8182, 81.5545, 106.6695



26.9891, 53.0340, 11.1667



14.2866, 16.9442, 22.7675



0.0000, 0.0000, 0.0000



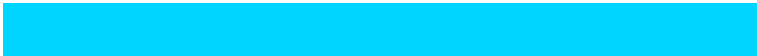
20.3446, 21.4041, 23.3091

Same Dimension

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



31.4555, 41.3738, 76.1409



41.7672, 54.6544, 102.9557



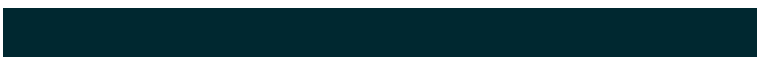
16.7901, 12.0430, 71.2525



13.9129, 15.1649, 17.5815



18.2277, 23.9250, 44.7056



1.3156, 1.7626, 3.1161

Inverse Universe

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



39.6412, 19.5832, 49.2689



53.2113, 26.0485, 64.9703



41.2725, 37.2629, 5.3665



14.1923, 13.8945, 16.7826



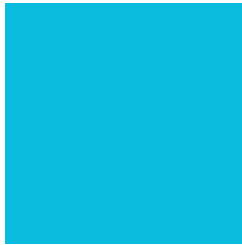
23.1407, 11.3233, 28.4704



1.6303, 0.7954, 2.1120

Previews

White Background



This preview shows how the XYZ color 31.4541, 41.3723, 76.1399 looks on a white background.

Color Contrast Check

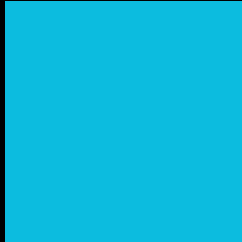
Large Text (above 18pt) WCAG AA × Fail

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 31.4541, 41.3723, 76.1399 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 31.4541, 41.3723, 76.1399

Background



This preview shows how black text looks on a background with the XYZ color 31.4541, 41.3723, 76.1399.



This preview shows how white text looks on a background with the XYZ color 31.4541, 41.3723,

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

31.4541, 41.3723, 76.1399

Protanopia

40.7211, 40.7105, 66.6844

Deuteranopia

41.5781, 40.6192, 78.3219



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

31.4541, 41.3723, 76.1399



Protanomaly

33.8545, 39.0828, 70.0494



Deuteranomaly

34.7664, 39.0940, 77.6650



Tritanomaly

30.1313, 41.1745, 68.6467

Monochromacy



Original Color

31.4541, 41.3723, 76.1399



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.8269, 29.3434, 42.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4541, 41.3723, 76.1399 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(12, 188, 223)` looks like.

```
.text, #text, p{  
    color:rgb(12, 188, 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(12, 188, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 188, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.4541, 41.3723, 76.1399 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(12, 188, 223) }
```


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

```
.border{ border-color:rgb(12, 188, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 188, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 188, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 188, 223);  
box-shadow:4px 4px 4px 4px rgb(12, 188,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4541, 41.3723, 76.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 188, 223) }
```

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

```
.background{ background-color: rgb(12, 188,  
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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