

Converting Colors

XYZ(32.3939, 43.4964, 76.4081)

Have a look what the booklet for
XYZ(32.3939, 43.4964, 76.4081)
contains.

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Color

**XYZ(32.4018, 43.4741,
76.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	01C1DF
RGB	1, 193, 223
RGB Percent	0%, 76%, 87%
CMY	0.9958, 0.2431, 0.1255
CMYK	1.00, 0.13, 0.00, 0.13
HSL	188°, 99%, 44%
HSV	188°, 100%, 87%
XYZ	32.4018, 43.4741, 76.4956
YIQ	139.0120, -124.0620, -31.3740

Conversions

Conversions Part 2

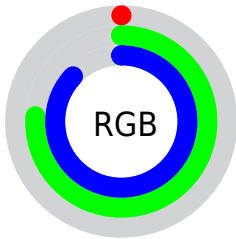
Format	Color
RYB	1, 104, 223
Decimal	115167
CIELab	71.88, -29.49, -26.29
CIELCh	72, 39.504, 221.714
Yxy	43.4741, 0.2127, 0.2853
Android (android.graphics.Color)	4278305247 (0xFF01C1DF)
YUV	139.0120, 41.4061, -121.0365
Hunter-Lab	65.9349, -27.6674, -22.6320

Details

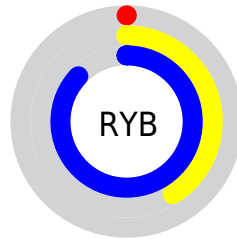
The XYZ color **32.4018, 43.4741, 76.4956** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **30.9291, 16.6735, 1.6186**, and the grayscale version is **24.4325, 25.7049, 27.9927**.

A 20% lighter version of the original color is **58.4199, 78.7794, 106.7346**, and **16.3005, 21.2924, 40.2965** is the 20% darker color. If you saturate the color by 10%, you get **32.3583, 43.4055, 76.4855**, and if you desaturate by 10%, it is **33.4248, 45.0016, 76.7374**.

Distribution



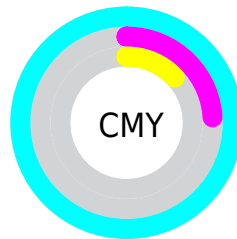
- Red (0%)
- Green (76%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4018, 43.4741, 76.4956 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 32.4018, 43.4741, 76.4956 by changing the saturation by 10% instead.

■ 32.4018, 43.4741,
76.4956

■ 32.4018, 43.4741,
76.4956

304.6584,
360.5579, 502.4345

■ 21.8256, 30.2573,
56.3299

■ 62.8014, 80.4258,
130.1937

■ 13.8447, 20.0340,
40.0617

■ 83.3555, 104.9295,
164.5632

■ 8.0937, 12.4197,
27.2725

■ 107.9664,
133.9642, 204.5044

■ 4.2073, 7.0302,
17.5437

■ 136.9993,
167.9144, 250.4358

■ 1.8201, 3.4810,
10.4569

■ 170.8195,
207.1645, 302.7760

■ 0.5297, 1.3877,
5.5934

209.7926,

■ 0.0000, 0.2076,

252.0989, 361.9435

2.5347

254.2838,
303.1018, 428.3568

■ 0.0000, 0.0000,
0.8585

■ 0.0000, 0.0000,
0.0000

■ 32.4018, 43.4741,
76.4956

■ 32.4018, 43.4741,
76.4956

■ 32.3583, 43.4055,
76.4855

■ 33.4248, 45.0016,
76.7374

■ 34.8614, 46.7618,
77.0014

■ 36.8317, 48.8175,
77.2944

■ 39.4068, 51.2055,
77.6196

■ 42.6469, 53.9570,
77.9799

■ 46.6048, 57.0993,
78.3778

■ 51.3279, 60.6568,
78.8155

■ 56.8594, 64.6521,
79.2952

■ 63.2394, 69.1059,
79.8186

Harmonies

Analogous

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



29.9103, 43.4741, 55.2582



32.4018, 43.4741, 76.4956



37.3956, 43.4741, 91.9146

Triad

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



32.4018, 43.4741, 76.4956



54.8523, 43.4741, 59.9297



38.7512, 43.4741, 19.5490

Complementary

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



32.4018, 43.4741, 76.4956



30.9291, 16.6735, 1.6186

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.



45.5115, 43.4741, 20.1646



32.4018, 43.4741, 76.4956



55.3170, 43.4741, 40.2095

Square

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



32.4018, 43.4741, 76.4956



50.5345, 43.4741, 80.7039



51.7426, 43.4741, 26.7254



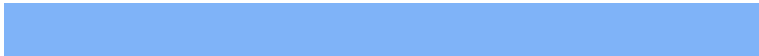
33.3012, 43.4741, 24.7270

Rectangle

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



32.4018, 43.4741, 76.4956



41.7087, 43.4741, 94.8293



51.7426, 43.4741, 26.7254



40.9353, 43.4741, 19.1335

Sweetspot

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



32.4032, 43.4756, 76.4967



69.0746, 81.8434, 106.7645



26.6440, 52.8799, 10.0750



14.1818, 17.0681, 22.7970



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.



32.4032, 43.4756, 76.4967



43.7833, 58.6866, 103.6278



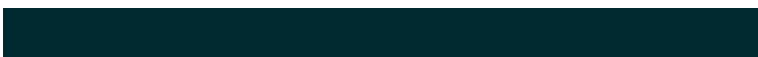
16.3832, 11.4356, 71.1567



13.9503, 15.2398, 17.5940



19.0870, 25.6436, 44.9921



1.3673, 1.8661, 3.1334

Inverse Universe

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



40.0692, 19.5615, 52.1174



54.2290, 26.4556, 70.3290



40.0546, 34.9244, 4.6604



14.2111, 13.9021, 16.8821



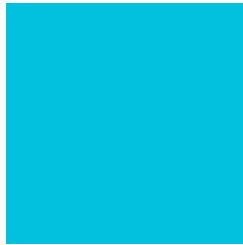
23.5744, 11.4968, 30.7544



1.6564, 0.8058, 2.2495

Previews

White Background



This preview shows how the XYZ color 32.4018, 43.4741, 76.4956 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 32.4018, 43.4741, 76.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

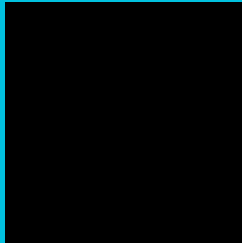
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4018, 43.4741, 76.4956

Background



This preview shows how black text looks on a background with the XYZ color 32.4018, 43.4741, 76.4956.

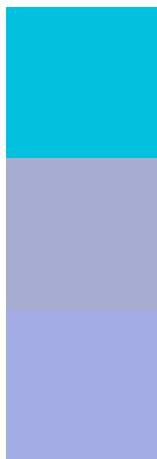


This preview shows how white text looks on a background with the XYZ color 32.4018, 43.4741,

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

32.4018, 43.4741, 76.4956

Protanopia

42.3885, 42.7061, 66.3306

Deuteranopia

43.8604, 42.8930, 79.3663



Tritanopia

31.1480, 43.6834, 67.7628

Trichromacy



Original Color

32.4018, 43.4741, 76.4956



Protanomaly

34.5223, 40.6234, 69.6399



Deuteranomaly

35.7576, 41.0766, 77.9954



Tritanomaly

31.5575, 43.4899, 71.0211

Monochromacy



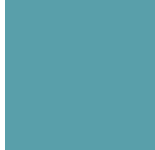
Original Color

32.4018, 43.4741, 76.4956



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.7737, 29.8224, 42.5335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4018, 43.4741, 76.4956 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(1, 193, 223)` looks like.

```
.text, #text, p{  
    color:rgb(1, 193, 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(1, 193, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 193, 223) }
```

Border

The CSS property to change the border of an element to XYZ 32.4018, 43.4741, 76.4956 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(1, 193, 223) }
```


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

```
.border{ border-color:rgb(1, 193, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 193, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 193, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 193, 223);  
box-shadow:4px 4px 4px 4px rgb(1, 193,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4018, 43.4741, 76.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 193, 223) }
```

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

```
.background{ background-color: rgb(1, 193,  
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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