

Converting Colors

XYZ(24.2920, 40.4155, 76.0269)

Have a look what the booklet for
XYZ(24.2920, 40.4155, 76.0269)
contains.

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Color

**XYZ(33.0592, 44.8076,
76.7184)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4DF
RGB	0, 196, 223
RGB Percent	0%, 77%, 87%
CMY	0.9998, 0.2314, 0.1255
CMYK	1.00, 0.12, 0.00, 0.13
HSL	187°, 100%, 44%
HSV	187°, 100%, 87%
XYZ	33.0592, 44.8076, 76.7184
YIQ	140.4740, -125.4830, -33.1550

Conversions

Conversions Part 2

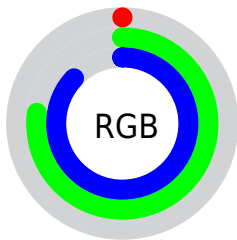
Format	Color
RYB	0, 104, 223
Decimal	50399
CIELab	72.77, -30.98, -24.93
CIELCh	73, 39.759, 218.822
Yxy	44.8076, 0.2139, 0.2899
Android (android.graphics.Color)	4278240479 (0xFF00C4DF)
YUV	140.4740, 40.6853, -123.1957
Hunter-Lab	66.9385, -28.9858, -21.0955

Details

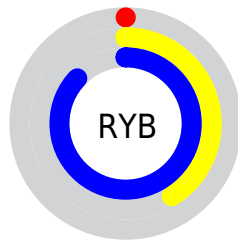
The XYZ color **33.0592, 44.8076, 76.7184** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **30.8252, 16.4745, 1.5568**, and the grayscale version is **24.9999, 26.3018, 28.6427**.

A 20% lighter version of the original color is **59.3596, 80.6587, 107.0478**, and **16.7409, 22.1732, 40.4433** is the 20% darker color. If you saturate the color by 10%, you get **33.0585, 44.8060, 76.7190**, and if you desaturate by 10%, it is **34.0134, 46.2128, 76.9402**.

Distribution



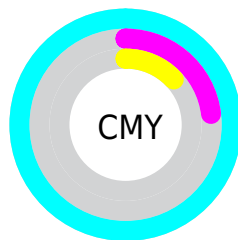
- Red (0%)
- Green (77%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0592, 44.8076, 76.7184 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 33.0592, 44.8076, 76.7184 by changing the saturation by 10% instead.

33.0592, 44.8076,
76.7184

33.0592, 44.8076,
76.7184

307.5767,
365.9938, 503.2155

22.3313, 31.3059,
56.5116

63.8220, 82.4316,
130.5113

14.2185, 20.8319,
40.2065

84.5876, 107.3227,
164.9344

8.3555, 13.0012,
27.3846

109.4297,
136.7791, 204.9335

4.3770, 7.4294,
17.6273

138.7138,
171.1852, 250.9269

1.9175, 3.7320,
10.5161

172.8052,
210.9252, 303.3333

0.5870, 1.5248,
5.6324

212.0692,

0.0000, 0.3061,

256.3838, 362.5711

2.5577

256.8713,
307.9452, 429.0590

■ 0.0000, 0.0000,
0.8705

■ 0.0000, 0.0000,
0.0000

■ 33.0592, 44.8076,
76.7184

■ 33.0592, 44.8076,
76.7184

■ 33.0585, 44.8060,
76.7190

■ 34.0134, 46.2128,
76.9402

■ 35.3673, 47.8396,
77.1829

■ 37.2486, 49.7547,
77.4534

■ 39.7292, 51.9953,
77.7551

■ 42.8695, 54.5925,
78.0909

■ 46.7226, 57.5740,
78.4633

■ 51.3361, 60.9642,
78.8745

■ 56.7534, 64.7856,
79.3266

■ 63.0147, 69.0590,
79.8214

Harmonies

Analogous

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



30.7696, 44.8076, 54.8551



33.0592, 44.8076, 76.7184



37.9697, 44.8076, 93.5265

Triad

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



33.0592, 44.8076, 76.7184



56.2069, 44.8076, 63.8540



40.5843, 44.8076, 20.0343

Complementary

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



33.0592, 44.8076, 76.7184



30.8252, 16.4745, 1.5568

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.



47.5670, 44.8076, 21.2274



33.0592, 44.8076, 76.7184



57.1014, 44.8076, 43.1854

Square

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



33.0592, 44.8076, 76.7184



51.4657, 44.8076, 84.8126



53.7923, 44.8076, 28.6219



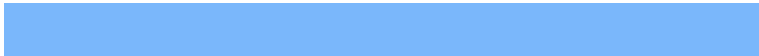
34.7954, 44.8076, 24.7551

Rectangle

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



33.0592, 44.8076, 76.7184



42.3160, 44.8076, 97.5328



53.7923, 44.8076, 28.6219



42.8617, 44.8076, 19.7912

Sweetspot

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



33.0607, 44.8092, 76.7195



69.4006, 82.4953, 106.8731



26.5758, 52.8512, 9.7816



14.2608, 17.2261, 22.8233



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.



33.0607, 44.8092, 76.7195



44.7379, 60.5959, 103.9460



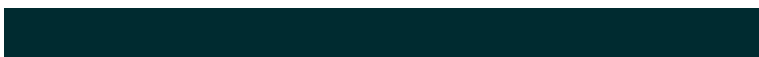
16.6094, 11.9067, 71.2358



13.9675, 15.2741, 17.5997



19.4935, 26.4566, 45.1276



1.3916, 1.9147, 3.1415

Inverse Universe

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



40.3965, 19.6750, 53.8947



54.7108, 26.6483, 72.8665



39.4544, 33.7329, 4.4331



14.2198, 13.9056, 16.9277



23.7796, 11.5789, 31.8349



1.6687, 0.8107, 2.3141

Previews

White Background



This preview shows how the XYZ color 33.0592, 44.8076, 76.7184 looks on a white background.

Color Contrast Check

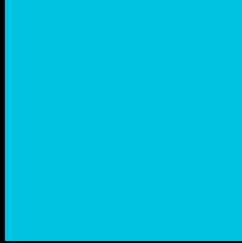
Large Text (above 18pt) WCAG AA × Fail

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 33.0592, 44.8076, 76.7184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

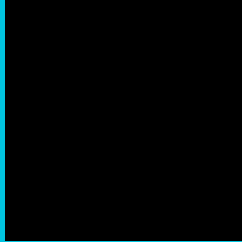
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0592, 44.8076, 76.7184

Background



This preview shows how black text looks on a background with the XYZ color 33.0592, 44.8076, 76.7184.



This preview shows how white text looks on a background with the XYZ color 33.0592, 44.8076,

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

33.0592, 44.8076, 76.7184

Protanopia

43.8285, 44.3120, 66.5647

Deuteranopia

45.2881, 44.1984, 79.5430



Tritanopia

31.9765, 44.7366, 69.9005

Trichromacy



Original Color

33.0592, 44.8076, 76.7184

Protanomaly

35.3778, 41.9732, 69.8554

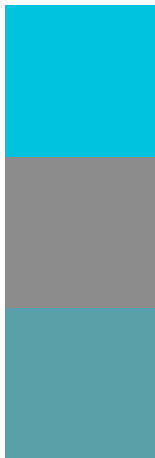
Deuteranomaly

36.5188, 42.0727, 78.1476

Tritanomaly

32.4906, 44.9423, 72.6079

Monochromacy



Original Color

33.0592, 44.8076, 76.7184

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.9463, 30.1677, 42.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0592, 44.8076, 76.7184 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, 196, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 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(0, 196, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 223) }
```

Border

The CSS property to change the border of an element to XYZ 33.0592, 44.8076, 76.7184 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, 196, 223) }
```


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

```
.border{ border-color:rgb(0, 196, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0592, 44.8076, 76.7184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 223) }
```

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

```
.background{ background-color: rgb(0, 196,  
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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