

Converting Colors

XYZ(33.7678, 44.0044, 83.7999)

Have a look what the booklet for
XYZ(33.7678, 44.0044, 83.7999)
contains.

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Color

**XYZ(33.7779, 44.0231,
83.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1E9
RGB	0, 193, 233
RGB Percent	0%, 76%, 91%
CMY	0.9998, 0.2431, 0.0863
CMYK	1.00, 0.17, 0.00, 0.09
HSL	190°, 100%, 46%
HSV	190°, 100%, 91%
XYZ	33.7779, 44.0231, 83.8078
YIQ	139.8530, -127.8680, -28.4760

Conversions

Conversions Part 2

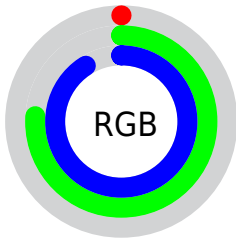
Format	Color
RYB	0, 106, 233
Decimal	49641
CIELab	72.24, -26.20, -31.15
CIELCh	72, 40.700, 229.928
Yxy	44.0231, 0.2090, 0.2724
Android (android.graphics.Color)	4278239721 (0xFF00C1E9)
YUV	139.8530, 45.9215, -122.6511
Hunter-Lab	66.3499, -25.2402, -28.4454

Details

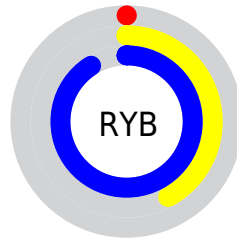
The XYZ color **33.7779, 44.0231, 83.8078** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **34.3657, 18.8454, 1.8279**, and the grayscale version is **24.7406, 26.0290, 28.3456**.

A 20% lighter version of the original color is **58.5423, 78.8424, 106.7403**, and **17.1684, 21.6396, 44.8670** is the 20% darker color. If you saturate the color by 10%, you get **33.7764, 44.0198, 83.8081**, and if you desaturate by 10%, it is **35.0368, 46.0037, 84.1246**.

Distribution



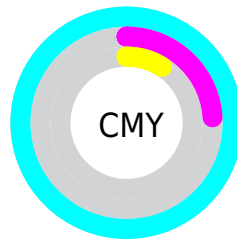
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7779, 44.0231, 83.8078 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 33.7779, 44.0231, 83.8078 by changing the saturation by 10% instead.

■ 33.7779, 44.0231,
83.8078

■ 33.7779, 44.0231,
83.8078

310.7440,
362.8025, 527.7161

■ 22.8851, 30.6887,
62.3123

■ 64.9347, 81.2525,
140.5656

■ 14.6289, 20.3619,
44.8477

■ 85.9295, 105.9163,
176.6650

■ 8.6440, 12.6584,
30.9954

■ 111.0222,
135.1253, 218.4694

■ 4.5649, 7.1937,
20.3369

■ 140.5784,
169.2639, 266.3974

■ 2.0264, 3.5836,
12.4537

■ 174.9633,
208.7165, 320.8676

■ 0.6487, 1.4434,
6.9272

214.5423,

■ 0.0000, 0.2484,

253.8676, 382.2984

3.3388

259.6807,
305.1015, 451.1084

■ 0.0000, 0.0000,
1.2701

■ 0.0000, 0.0000,
0.0371

■ 33.7779, 44.0231,
83.8078

■ 33.7779, 44.0231,
83.8078

■ 33.7764, 44.0198,
83.8081

■ 35.0368, 46.0037,
84.1246

■ 36.7524, 48.2548,
84.4687

■ 39.0635, 50.8489,
84.8476

■ 42.0506, 53.8278,
85.2652

■ 45.7812, 57.2267,
85.7246

■ 50.3145, 61.0762,
86.2287

■ 55.7038, 65.4041,
86.7800

■ 61.9975, 70.2356,
87.3809

■ 69.2403, 75.5940,
88.0334

Harmonies

Analogous

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



30.4428, 44.0231, 62.2770



33.7779, 44.0231, 83.8078



39.5374, 44.0231, 96.6600

Triad

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



33.7779, 44.0231, 83.8078



56.5097, 44.0231, 54.9805



37.4294, 44.0231, 20.1019

Complementary

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



33.7779, 44.0231, 83.8078



34.3657, 18.8454, 1.8279

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.



44.2358, 44.0231, 19.1586



33.7779, 44.0231, 83.8078



55.7830, 44.0231, 35.9813

Square

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



33.7779, 44.0231, 83.8078



52.9858, 44.0231, 77.2063



51.0986, 44.0231, 24.1114



32.3827, 44.0231, 27.1899

Rectangle

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



33.7779, 44.0231, 83.8078



44.2015, 44.0231, 96.6867



51.0986, 44.0231, 24.1114



39.5692, 44.0231, 19.1495

Sweetspot

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



33.7794, 44.0246, 83.8089



68.2367, 80.1676, 106.4852



29.5042, 58.4246, 11.6313



13.9791, 16.6627, 22.7294



0.0000, 0.0000, 0.0000



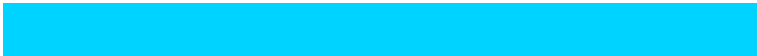
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7794, 44.0246, 83.8089



41.3974, 53.9148, 102.8325



17.4124, 11.2908, 78.3532



15.2848, 16.6561, 19.3316



19.2459, 25.1387, 47.5809



1.5693, 2.0901, 3.7556

Inverse Universe

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



43.2312, 21.1755, 52.2622



53.0247, 25.9739, 63.9874



45.3853, 40.8846, 5.5011



15.5973, 15.2668, 18.4307



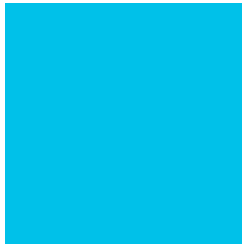
24.5697, 12.0306, 29.8652



1.9586, 0.9564, 2.4994

Previews

White Background



This preview shows how the XYZ color 33.7779, 44.0231, 83.8078 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 33.7779, 44.0231, 83.8078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

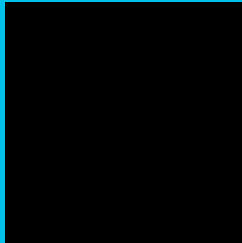
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7779, 44.0231, 83.8078

Background



This preview shows how black text looks on a background with the XYZ color 33.7779, 44.0231, 83.8078.



This preview shows how white text looks on a background with the XYZ color 33.7779, 44.0231,

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

33.7779, 44.0231, 83.8078

Protanopia

43.4393, 43.3859, 73.1027

Deuteranopia

44.3302, 43.2707, 86.1364



Tritanopia

31.4978, 44.1830, 68.4961

Trichromacy



Original Color

33.7779, 44.0231, 83.8078



Protanomaly

35.8041, 41.4328, 76.6313



Deuteranomaly

36.8284, 41.4653, 85.4194



Tritanomaly

32.3013, 44.1447, 73.8362

Monochromacy



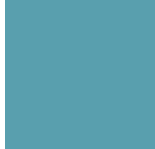
Original Color

33.7779, 44.0231, 83.8078



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.1579, 29.9761, 44.5571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7779, 44.0231, 83.8078 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, 193, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 233)  
}
```

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, 193, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 233) }
```

Border

The CSS property to change the border of an element to XYZ 33.7779, 44.0231, 83.8078 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, 193, 233) }
```


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

```
.border{ border-color:rgb(0, 193, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7779, 44.0231, 83.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 233) }
```

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

```
.background{ background-color: rgb(0, 193,  
233) }
```

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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