

Converting Colors

XYZ(32.6254, 44.1872, 75.8113)

Have a look what the booklet for
XYZ(32.6254, 44.1872, 75.8113)
contains.

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Color

**XYZ(32.6999, 44.3041,
75.9353)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3DE
RGB	0, 195, 222
RGB Percent	0%, 76%, 87%
CMY	0.9998, 0.2353, 0.1294
CMYK	1.00, 0.12, 0.00, 0.13
HSL	187°, 100%, 44%
HSV	187°, 100%, 87%
XYZ	32.6999, 44.3041, 75.9353
YIQ	139.7730, -124.8870, -32.9430

Conversions

Conversions Part 2

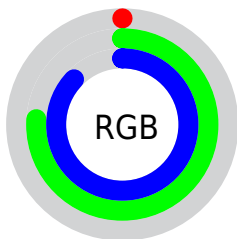
Format	Color
R_{YB}	0, 104, 222
Decimal	50142
CIE _{Lab}	72.43, -30.82, -24.89
CIE _{LCh}	72, 39.614, 218.931
Yxy	44.3041, 0.2138, 0.2897
Android (android.graphics.Color)	4278240222 (0xFF00C3DE)
YUV	139.7730, 40.5379, -122.5809
Hunter-Lab	66.5613, -28.7898, -21.0470

Details

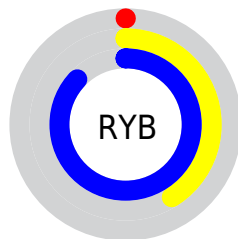
The XYZ color **32.6999, 44.3041, 75.9353** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **30.5181, 16.3163, 1.5425**, and the grayscale version is **24.7287, 26.0165, 28.3319**.

A 20% lighter version of the original color is **59.0447, 80.0290, 106.9429**, and **16.4999, 21.8398, 39.9051** is the 20% darker color. If you saturate the color by 10%, you get **32.6991, 44.3023, 75.9359**, and if you desaturate by 10%, it is **33.6478, 45.7000, 76.1556**.

Distribution



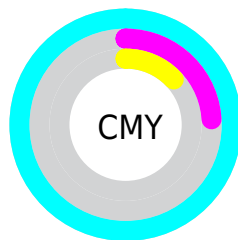
- Red (0%)
- Green (76%)
- Blue (87%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6999, 44.3041, 75.9353 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 32.6999, 44.3041, 75.9353 by changing the saturation by 10% instead.

32.6999, 44.3041,
75.9353

32.6999, 44.3041,
75.9353

305.9842,
363.9478, 500.4671

22.0548, 30.9097,
55.8731

63.2645, 81.6751,
129.3947

14.0140, 20.5301,
39.6979

83.9148, 106.4205,
163.6290

8.2122, 12.7809,
26.9911

108.6307,
135.7183, 203.4244

4.2839, 7.2779,
17.3341

137.7778,
169.9530, 249.1995

1.8640, 3.6365,
10.3085

171.7213,
209.5089, 301.3727

0.5558, 1.4724,
5.4957

210.8267,

0.0000, 0.2692,

254.7704, 360.3627

2.4772

255.4592,
306.1219, 426.5880

■ 0.0000, 0.0000,
0.8280

■ 0.0000, 0.0000,
0.0000

■ 32.6999, 44.3041,
75.9353

■ 32.6999, 44.3041,
75.9353

■ 32.6991, 44.3023,
75.9359

■ 33.6478, 45.7000,
76.1556

■ 34.9913, 47.3154,
76.3966

■ 36.8567, 49.2162,
76.6652

■ 39.3153, 51.4394,
76.9647

■ 42.4269, 54.0157,
77.2980

■ 46.2438, 56.9723,
77.6675

■ 50.8132, 60.3336,
78.0755

■ 56.1780, 64.1217,
78.5239

■ 62.3780, 68.3572,
79.0147

Harmonies

Analogous

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



30.4257, 44.3041, 54.3157



32.6999, 44.3041, 75.9353



37.5640, 44.3041, 92.5217

Triad

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



32.6999, 44.3041, 75.9353



55.5878, 44.3041, 63.0588



40.1042, 44.3041, 19.8128

Complementary

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



32.6999, 44.3041, 75.9353



30.5181, 16.3163, 1.5425

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.



47.0081, 44.3041, 20.9717



32.6999, 44.3041, 75.9353



56.4570, 44.3041, 42.6345

Square

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



32.6999, 44.3041, 75.9353



50.9105, 44.3041, 83.7999



53.1710, 44.3041, 28.2594



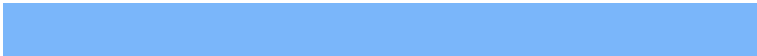
34.3866, 44.3041, 24.5032

Rectangle

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



32.6999, 44.3041, 75.9353



41.8653, 44.3041, 96.4462



53.1710, 44.3041, 28.2594



42.3551, 44.3041, 19.5655

Sweetspot

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



32.7013, 44.3057, 75.9364



69.3878, 82.4698, 106.8689



26.3082, 52.3179, 9.6861



14.2577, 17.2199, 22.8223



0.0000, 0.0000, 0.0000



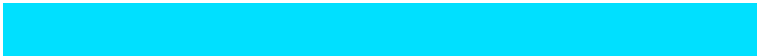
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7013, 44.3057, 75.9364



44.7004, 60.5208, 103.9335



16.4448, 11.7926, 70.5175



13.9668, 15.2728, 17.5995



19.4775, 26.4246, 45.1222



1.3907, 1.9128, 3.1412

Inverse Universe

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



39.9758, 19.4712, 53.2826



54.6919, 26.6408, 72.7666



39.0595, 33.3991, 4.3896



14.2195, 13.9054, 16.9259



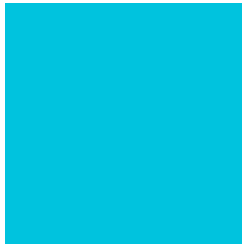
23.7716, 11.5756, 31.7924



1.6682, 0.8106, 2.3116

Previews

White Background



This preview shows how the XYZ color 32.6999, 44.3041, 75.9353 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 32.6999, 44.3041, 75.9353 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

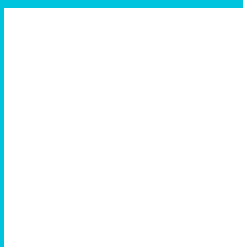
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6999, 44.3041, 75.9353

Background



This preview shows how black text looks on a background with the XYZ color 32.6999, 44.3041, 75.9353.

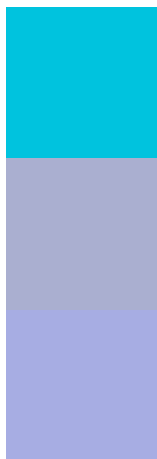


This preview shows how white text looks on a background with the XYZ color 32.6999, 44.3041,

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

32.6999, 44.3041, 75.9353

Protanopia

43.2927, 43.7601, 65.8393

Deuteranopia

44.7450, 43.6487, 78.7398



Tritanopia

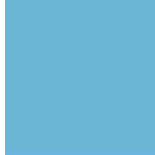
31.6236, 44.2333, 69.1585

Trichromacy



Original Color

32.6999, 44.3041, 75.9353



Protanomaly

34.9225, 41.4481, 69.1105



Deuteranomaly

36.0583, 41.5482, 77.3533



Tritanomaly

32.1346, 44.4377, 71.8494

Monochromacy



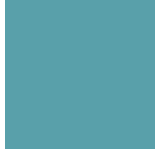
Original Color

32.6999, 44.3041, 75.9353



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 32.6999, 44.3041, 75.9353 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, 195, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 222)  
}
```

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, 195, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 222) }
```

Border

The CSS property to change the border of an element to XYZ 32.6999, 44.3041, 75.9353 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, 195, 222) }
```


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

```
.border{ border-color:rgb(0, 195, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 195, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6999, 44.3041, 75.9353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 222) }
```

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

```
.background{ background-color: rgb(0, 195,  
222) }
```

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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