

Converting Colors

XYZ(32.3901, 44.0059, 75.0608)

Have a look what the booklet for
XYZ(32.3901, 44.0059, 75.0608)
contains.

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Color

**XYZ(32.5663, 44.2507,
75.2314)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3DD
RGB	0, 195, 221
RGB Percent	0%, 76%, 87%
CMY	0.9998, 0.2353, 0.1333
CMYK	1.00, 0.12, 0.00, 0.13
HSL	187°, 100%, 43%
HSV	187°, 100%, 87%
XYZ	32.5663, 44.2507, 75.2314
YIQ	139.6590, -124.5660, -33.2540

Conversions

Conversions Part 2

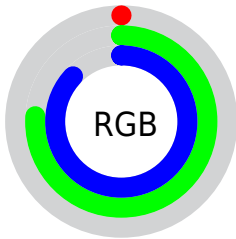
Format	Color
RYB	0, 104, 221
Decimal	50141
CIELab	72.40, -31.14, -24.40
CIELCh	72, 39.564, 218.085
Yxy	44.2507, 0.2142, 0.2910
Android (android.graphics.Color)	4278240221 (0xFF00C3DD)
YUV	139.6590, 40.1011, -122.4809
Hunter-Lab	66.5212, -29.0252, -20.4885

Details

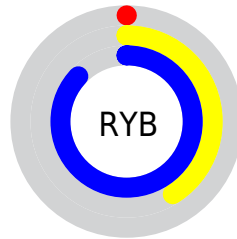
The XYZ color **32.5663, 44.2507, 75.2314** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **30.1902, 16.1138, 1.5208**, and the grayscale version is **24.6866, 25.9722, 28.2837**.

A 20% lighter version of the original color is **59.0447, 80.0290, 106.9429**, and **16.4078, 21.8029, 39.4200** is the 20% darker color. If you saturate the color by 10%, you get **32.5654, 44.2488, 75.2319**, and if you desaturate by 10%, it is **33.4892, 45.5999, 75.4440**.

Distribution



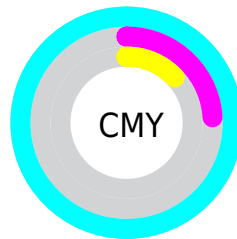
- Red (0%)
- Green (76%)
- Blue (87%)



- 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 32.5663, 44.2507, 75.2314 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 32.5663, 44.2507, 75.2314 by changing the saturation by 10% instead.


 32.5663, 44.2507,
75.2314


 32.5663, 44.2507,
75.2314


305.3906,
363.7303, 497.9892


 21.9521, 30.8676,
55.2996

 63.0570, 81.5949,
128.3900


 13.9381, 20.4981,
39.2414

 83.6642, 106.3247,
162.4538


 8.1590, 12.7576,
26.6383

 108.3332,
135.6057, 202.0655

 4.2495, 7.2619,
17.0717

 137.4291,
169.8221, 247.6434

 1.8443, 3.6264,
10.1232

 171.3175,
209.3584, 299.6062

 0.5441, 1.4669,
5.3740

210.3636,

 0.0000, 0.2652,

254.5989, 358.3724

2.4058

254.9328,
305.9281, 424.3606

■ 0.0000, 0.0000,
0.7896

■ 0.0000, 0.0000,
0.0000

■ 32.5663, 44.2507,
75.2314

■ 32.5663, 44.2507,
75.2314

■ 32.5654, 44.2488,
75.2319

■ 33.4892, 45.5999,
75.4440

■ 34.8027, 47.1647,
75.6769

■ 36.6321, 49.0108,
75.9368

■ 39.0478, 51.1743,
76.2270

■ 42.1088, 53.6859,
76.5505

■ 45.8671, 56.5724,
76.9096

■ 50.3691, 59.8578,
77.3064

■ 55.6574, 63.5642,
77.7431

■ 61.7712, 67.7117,
78.2214

Harmonies

Analogous

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



30.3750, 44.2507, 53.6542



32.5663, 44.2507, 75.2314



37.3560, 44.2507, 92.0507

Triad

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



32.5663, 44.2507, 75.2314



55.4229, 44.2507, 63.5868



40.2429, 44.2507, 19.7613

Complementary

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



32.5663, 44.2507, 75.2314



30.1902, 16.1138, 1.5208

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.



47.1409, 44.2507, 21.0805



32.5663, 44.2507, 75.2314



56.4101, 44.2507, 43.0942

Square

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



32.5663, 44.2507, 75.2314



50.6695, 44.2507, 84.1616



53.2373, 44.2507, 28.5442



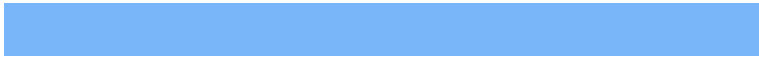
34.4837, 44.2507, 24.2708

Rectangle

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



32.5663, 44.2507, 75.2314



41.6227, 44.2507, 96.2556



53.2373, 44.2507, 28.5442



42.4982, 44.2507, 19.5676

Sweetspot

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



32.5677, 44.2523, 75.2325



69.4802, 82.6546, 106.8997



26.0421, 51.7878, 9.5912



14.2801, 17.2647, 22.8297



0.0000, 0.0000, 0.0000



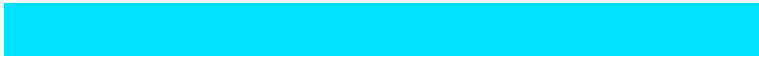
20.3446, 21.4041, 23.3091

Same Dimension

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



32.5677, 44.2523, 75.2325



44.9735, 61.0670, 104.0245



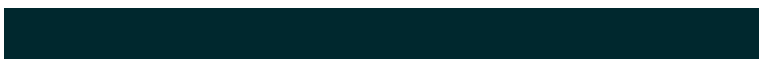
16.2812, 11.6792, 69.8036



13.3073, 14.5543, 16.7600



18.9721, 25.8137, 43.7210



1.2669, 1.7479, 2.8451

Inverse Universe

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



39.6704, 19.3139, 53.2684



54.8298, 26.6959, 73.4927



38.6669, 33.0673, 4.3464



13.5450, 13.2471, 16.1310



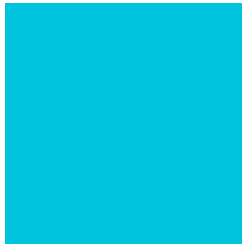
23.0716, 11.2297, 31.0867



1.5138, 0.7351, 2.1144

Previews

White Background



This preview shows how the XYZ color 32.5663, 44.2507, 75.2314 looks on a white background.

Color Contrast Check

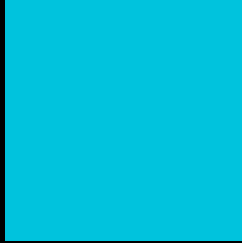
Large Text (above 18pt) WCAG AA × Fail

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 32.5663, 44.2507, 75.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

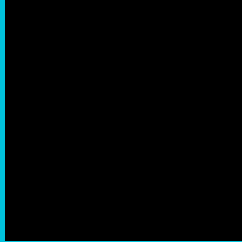
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.5663, 44.2507, 75.2314

Background



This preview shows how black text looks on a background with the XYZ color 32.5663, 44.2507, 75.2314.



This preview shows how white text looks on a background with the XYZ color 32.5663, 44.2507,

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

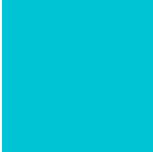
32.5663, 44.2507, 75.2314

Protanopia

43.1700, 43.7110, 65.1932

Deuteranopia

44.6074, 43.5936, 78.0149



Tritanopia

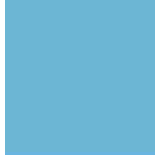
31.6236, 44.2333, 69.1585

Trichromacy



Original Color

32.5663, 44.2507, 75.2314



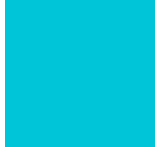
Protanomaly

34.7960, 41.3975, 68.4439



Deuteranomaly

35.9223, 41.4937, 76.6368



Tritanomaly

32.0057, 44.3862, 71.1705

Monochromacy



Original Color

32.5663, 44.2507, 75.2314



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.8521, 30.1300, 42.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5663, 44.2507, 75.2314 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 221) }
```

Border

The CSS property to change the border of an element to XYZ 32.5663, 44.2507, 75.2314 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, 221) }
```


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

```
.border{ border-color:rgb(0, 195, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5663, 44.2507, 75.2314 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, 221) }
```

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

```
.background{ background-color: rgb(0, 195,  
221) }
```

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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