

Converting Colors

XYZ(29.9549, 42.8497, 72.1342)

Have a look what the booklet for
XYZ(29.9549, 42.8497, 72.1342)
contains.

XYZ(32.0395, 44.0400, 72.4575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0395, 44.0400,
72.4575)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3D9
RGB	0, 195, 217
RGB Percent	0%, 76%, 85%
CMY	0.9998, 0.2353, 0.1490
CMYK	1.00, 0.10, 0.00, 0.15
HSL	186°, 100%, 43%
HSV	186°, 100%, 85%
XYZ	32.0395, 44.0400, 72.4575
YIQ	139.2030, -123.2820, -34.4980

Conversions

Conversions Part 2

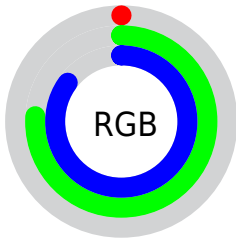
Format	Color
RYB	0, 103, 217
Decimal	50137
CIELab	72.26, -32.43, -22.45
CIELCh	72, 39.442, 214.688
Yxy	44.0400, 0.2157, 0.2965
Android (android.graphics.Color)	4278240217 (0xFF00C3D9)
YUV	139.2030, 38.3539, -122.0810
Hunter-Lab	66.3626, -29.9558, -18.2814

Details

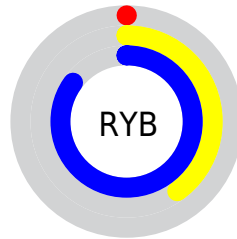
The XYZ color **32.0395, 44.0400, 72.4575** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.9038, 15.3278, 1.4367**, and the grayscale version is **24.5163, 25.7930, 28.0886**.

A 20% lighter version of the original color is **58.9238, 79.9666, 106.9372**, and **16.0465, 21.6584, 37.5172** is the 20% darker color. If you saturate the color by 10%, you get **32.0390, 44.0388, 72.4581**, and if you desaturate by 10%, it is **32.8624, 45.2024, 72.6393**.

Distribution



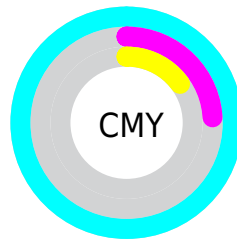
- Red (0%)
- Green (76%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0395, 44.0400, 72.4575 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 32.0395, 44.0400, 72.4575 by changing the saturation by 10% instead.

■ 32.0395, 44.0400,
72.4575

■ 32.0395, 44.0400,
72.4575

303.0412,
362.8715, 488.1527

■ 21.5474, 30.7020,
53.0434

■ 62.2378, 81.2779,
124.4205

■ 13.6394, 20.3720,
37.4494

■ 82.6746, 105.9466,
157.8065

■ 7.9503, 12.6657,
25.2571

■ 107.1571,
135.1609, 196.6868

■ 4.1147, 7.1988,
16.0480

■ 136.0506,
169.3054, 241.4800

■ 1.7672, 3.5867,
9.4034

■ 169.7204,
208.7642, 292.6047

■ 0.4978, 1.4452,
4.9048

208.5318,

■ 0.0000, 0.2497,

253.9219, 350.4793

2.1338

252.8503,
305.1629, 415.5225

■ 0.0000, 0.0000,
0.6358

■ 0.0000, 0.0000,
0.0000

■ 32.0395, 44.0400,
72.4575

■ 32.0395, 44.0400,
72.4575

■ 32.0390, 44.0388,
72.4581

■ 32.8624, 45.2024,
72.6393

■ 34.0563, 46.5660,
72.8396

■ 35.7424, 48.1943,
73.0650

■ 37.9877, 50.1217,
73.3187

■ 40.8488, 52.3776,
73.6034

■ 44.3753, 54.9875,
73.9213

■ 48.6116, 57.9744,
74.2745

■ 53.5983, 61.3592,
74.6650

■ 59.3729, 65.1613,
75.0945

Harmonies

Analogous

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



30.1769, 44.0400, 51.0645



32.0395, 44.0400, 72.4575



36.5350, 44.0400, 90.1762

Triad

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



32.0395, 44.0400, 72.4575



54.7664, 44.0400, 65.7270



40.8036, 44.0400, 19.5623

Complementary

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



32.0395, 44.0400, 72.4575



28.9038, 15.3278, 1.4367

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.



47.6759, 44.0400, 21.5252



32.0395, 44.0400, 72.4575



56.2224, 44.0400, 44.9688

Square

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



32.0395, 44.0400, 72.4575



49.7143, 44.0400, 85.6126



53.5034, 44.0400, 29.7075



34.8775, 44.0400, 23.3617

Rectangle

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



32.0395, 44.0400, 72.4575



40.6648, 44.0400, 95.4876



53.5034, 44.0400, 29.7075



43.0758, 44.0400, 19.5818

Sweetspot

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



32.0409, 44.0416, 72.4586



69.8601, 83.4144, 107.0263



24.9562, 49.6836, 9.0209



14.3723, 17.4490, 22.8604



0.0000, 0.0000, 0.0000



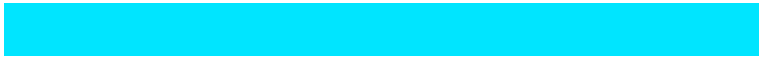
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0409, 44.0416, 72.4586



46.1089, 63.3379, 104.4030



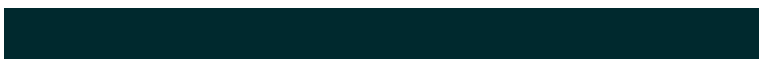
15.9198, 11.7994, 67.0849



13.3262, 14.5921, 16.7663



19.4394, 26.7483, 43.8768



1.2926, 1.7994, 2.8536

Inverse Universe

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



38.4668, 18.6933, 53.2121



55.4029, 26.9251, 76.5106



36.6281, 30.7764, 4.0114



13.5545, 13.2509, 16.1813



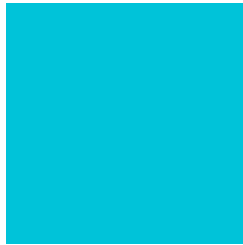
23.3075, 11.3240, 32.3288



1.5268, 0.7403, 2.1828

Previews

White Background



This preview shows how the XYZ color 32.0395, 44.0400, 72.4575 looks on a white background.

Color Contrast Check

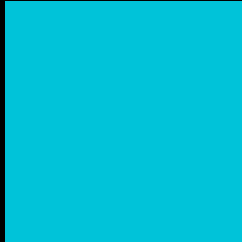
Large Text (above 18pt) WCAG AA × Fail

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 32.0395, 44.0400, 72.4575 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

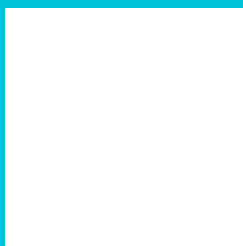
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0395, 44.0400, 72.4575

Background



This preview shows how black text looks on a background with the XYZ color 32.0395, 44.0400, 72.4575.



This preview shows how white text looks on a background with the XYZ color 32.0395, 44.0400,

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

32.0395, 44.0400, 72.4575

Protanopia

42.7101, 43.2418, 62.5954

Deuteranopia

44.4906, 43.5961, 75.1772



Tritanopia

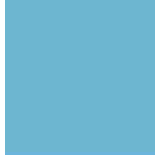
31.4978, 44.1830, 68.4961

Trichromacy



Original Color

32.0395, 44.0400, 72.4575



Protanomaly

34.4198, 41.2612, 65.8246



Deuteranomaly

35.6265, 41.4032, 73.8240



Tritanomaly

31.7502, 44.2840, 69.8250

Monochromacy



Original Color

32.0395, 44.0400, 72.4575



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.3977, 29.6610, 41.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0395, 44.0400, 72.4575 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 217) }
```

Border

The CSS property to change the border of an element to XYZ 32.0395, 44.0400, 72.4575 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, 217) }
```


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

```
.border{ border-color:rgb(0, 195, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0395, 44.0400, 72.4575 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, 217) }
```

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

```
.background{ background-color: rgb(0, 195,  
217) }
```

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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