

Converting Colors

XYZ(32.1797, 43.6748, 73.9600)

Have a look what the booklet for
XYZ(32.1797, 43.6748, 73.9600)
contains.

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Color

**XYZ(32.1906, 43.7561,
73.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	09C2DB
RGB	9, 194, 219
RGB Percent	4%, 76%, 86%
CMY	0.9645, 0.2392, 0.1412
CMYK	0.96, 0.11, 0.00, 0.14
HSL	187°, 92%, 45%
HSV	187°, 96%, 86%
XYZ	32.1906, 43.7561, 73.7670
YIQ	141.5350, -118.2850, -31.4450

Conversions

Conversions Part 2

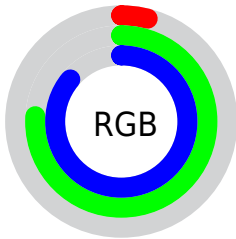
Format	Color
R_{YB}	9, 107, 219
Decimal	639707
CIE _{Lab}	72.07, -31.07, -23.82
CIE _{LCh}	72, 39.147, 217.479
Yxy	43.7561, 0.2150, 0.2923
Android (android.graphics.Color)	4278829787 (0xFF09C2DB)
YUV	141.5350, 38.1902, -116.2332
Hunter-Lab	66.1484, -28.8941, -19.8148

Details

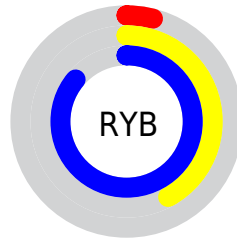
The XYZ color **32.1906, 43.7561, 73.7670** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.8369, 16.2271, 1.8195**, and the grayscale version is **25.4220, 26.7459, 29.1263**.

A 20% lighter version of the original color is **58.8539, 79.4656, 106.8442**, and **16.0789, 21.4365, 38.4122** is the 20% darker color. If you saturate the color by 10%, you get **31.8397, 43.2212, 73.6831**, and if you desaturate by 10%, it is **33.2278, 45.1608, 73.9843**.

Distribution



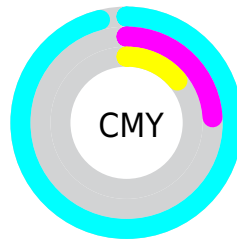
- Red (4%)
- Green (76%)
- Blue (86%)



- Red (4%)
- Yellow (42%)
- Blue (86%)



- Cyan (96%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)



- Cyan (96%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1906, 43.7561, 73.7670 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 32.1906, 43.7561, 73.7670 by changing the saturation by 10% instead.

■ 32.1906, 43.7561,
73.7670

■ 32.1906, 43.7561,
73.7670

303.7165,
361.7121, 492.8107

■ 21.6634, 30.4788,
54.1077

■ 62.4729, 80.8506,
126.2964

■ 13.7250, 20.2023,
38.2940

■ 82.9588, 105.4366,
160.0037

■ 8.0101, 12.5422,
25.9074

■ 107.4949,
134.5610, 199.2307

■ 4.1532, 7.1141,
16.5292

■ 136.4466,
168.6081, 244.3960

■ 1.7892, 3.5335,
9.7410

■ 170.1792,
207.9624, 295.9181

■ 0.5111, 1.4162,
5.1242

209.0582,

■ 0.0000, 0.2286,

253.0082, 354.2155

2.2603

253.4488,
304.1300, 419.7069

■ 0.0000, 0.0000,
0.7089

■ 0.0000, 0.0000,
0.0000

■ 32.1906, 43.7561,
73.7670

■ 32.1906, 43.7561,
73.7670

■ 31.8397, 43.2212,
73.6831

■ 33.2278, 45.1608,
73.9843

■ 34.7204, 46.8146,
74.2249

■ 36.7483, 48.7597,
74.4934

■ 39.3751, 51.0288,
74.7930

■ 42.6556, 53.6503,
75.1261

■ 46.6379, 56.6492,
75.4950

■ 51.3660, 60.0481,
75.9019

■ 56.8800, 63.8677,
76.3485

■ 63.2171, 68.1274,
76.8367

Harmonies

Analogous

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



30.0911, 43.7561, 52.6022



32.1906, 43.7561, 73.7670



36.8525, 43.7561, 90.4342

Triad

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



32.1906, 43.7561, 73.7670



54.6431, 43.7561, 63.1975



39.9365, 43.7561, 19.6499

Complementary

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



32.1906, 43.7561, 73.7670



29.8369, 16.2271, 1.8195

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.



46.7146, 43.7561, 21.0661



32.1906, 43.7561, 73.7670



55.6956, 43.7561, 43.0057

Square

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



32.1906, 43.7561, 73.7670



49.9197, 43.7561, 83.2785



52.6585, 43.7561, 28.5541



34.2406, 43.7561, 23.9743

Rectangle

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



32.1906, 43.7561, 73.7670



41.0254, 43.7561, 94.7549



52.6585, 43.7561, 28.5541



42.1575, 43.7561, 19.4964

Sweetspot

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



32.1920, 43.7577, 73.7681



70.1328, 83.0799, 106.9474



25.7274, 50.8350, 9.9354



14.4022, 17.3436, 22.8385



0.0000, 0.0000, 0.0000



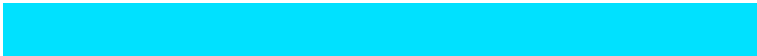
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1920, 43.7577, 73.7681



44.8772, 60.8744, 103.9924



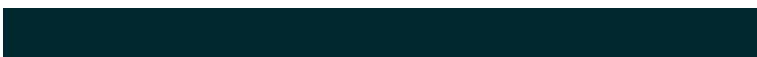
16.5165, 12.4067, 68.5429



13.3056, 14.5510, 16.7595



18.9325, 25.7344, 43.7078



1.2647, 1.7435, 2.8443

Inverse Universe

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



39.0499, 19.1519, 52.6790



54.7811, 26.6765, 73.2367



38.4268, 33.4068, 4.6828



13.5441, 13.2468, 16.1267



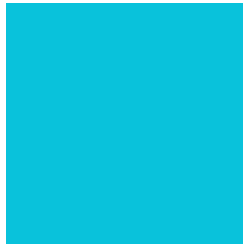
23.0516, 11.2217, 30.9813



1.5127, 0.7347, 2.1086

Previews

White Background



This preview shows how the XYZ color 32.1906, 43.7561, 73.7670 looks on a white background.

Color Contrast Check

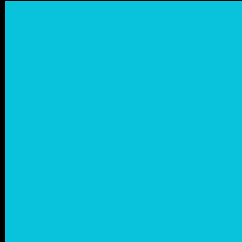
Large Text (above 18pt) WCAG AA × Fail

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 32.1906, 43.7561, 73.7670 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

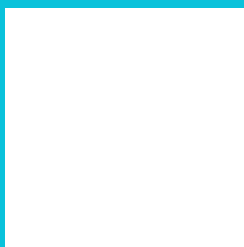
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1906, 43.7561, 73.7670

Background



This preview shows how black text looks on a background with the XYZ color 32.1906, 43.7561, 73.7670.

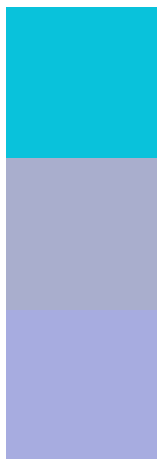


This preview shows how white text looks on a background with the XYZ color 32.1906, 43.7561,

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

32.1906, 43.7561, 73.7670

Protanopia

42.5177, 43.1149, 63.8387

Deuteranopia

44.1434, 43.1024, 76.5140



Tritanopia

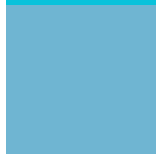
31.2730, 43.7334, 68.4211

Trichromacy



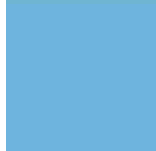
Original Color

32.1906, 43.7561, 73.7670



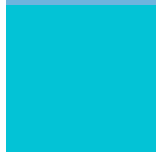
Protanomaly

34.7123, 41.0804, 67.0725



Deuteranomaly

35.9365, 41.2314, 75.1717



Tritanomaly

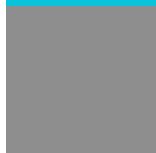
31.6903, 43.9046, 70.4225

Monochromacy



Original Color

32.1906, 43.7561, 73.7670



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.6167, 30.7717, 42.6723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1906, 43.7561, 73.7670 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(9, 194, 219)` looks like.

```
.text, #text, p{  
    color:rgb(9, 194, 219)  
}
```

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(9, 194, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 194, 219) }
```

Border

The CSS property to change the border of an element to XYZ 32.1906, 43.7561, 73.7670 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(9, 194, 219) }
```


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

```
.border{ border-color:rgb(9, 194, 219) }
```

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

Here you see how a box with a 4 pixel rgb(9, 194, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 194, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 194, 219);  
box-shadow:4px 4px 4px 4px rgb(9, 194,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1906, 43.7561, 73.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 194, 219) }
```

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

```
.background{ background-color: rgb(9, 194,  
219) }
```

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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