

Converting Colors

XYZ(48.1690, 73.9149, 85.1840)

Have a look what the booklet for
XYZ(48.1690, 73.9149, 85.1840)
contains.

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Color

**XYZ(48.1892, 73.9727,
85.1371)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00FAE4 |
| RGB | 0, 250, 228 |
| RGB Percent | 0%, 98%, 89% |
| CMY | 0.9998, 0.0196, 0.1059 |
| CMYK | 1.00, 0.00, 0.09, 0.02 |
| HSL | 175°, 100%, 49% |
| HSV | 175°, 100%, 98% |
| XYZ | 48.1892, 73.9727, 85.1371 |
| YIQ | 172.7420, -141.9380, -59.8420 |

Conversions

Conversions Part 2

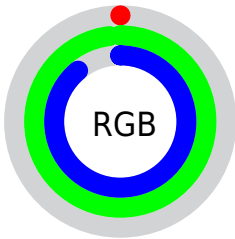
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 131, 250 |
| Decimal | 64228 |
| CIELab | 88.91, -53.50, -3.38 |
| CIELCh | 89, 53.608, 183.610 |
| Yxy | 73.9727, 0.2325, 0.3568 |
| Android (android.graphics.Color) | 4278254308 (0xFF00FAE4) |
| YUV | 172.7420, 27.2422, -151.4947 |
| Hunter-Lab | 86.0074, -50.5009, 1.5151 |

Details

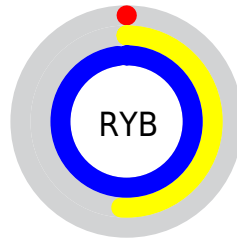
The XYZ color **48.1892, 73.9727, 85.1371** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5717, 20.3841, 2.6109**, and the grayscale version is **39.5162, 41.5741, 45.2742**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.3925, 40.7164, 46.0032** is the 20% darker color. If you saturate the color by 10%, you get **48.1899, 73.9749, 85.1352**, and if you desaturate by 10%, it is **48.9005, 74.3056, 86.7772**.

Distribution



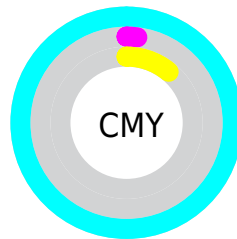
- Red (0%)
- Green (98%)
- Blue (89%)



- Red (0%)
- Yellow (51%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1892, 73.9727, 85.1371 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 48.1892, 73.9727, 85.1371 by changing the saturation by 10% instead.


 48.1892, 73.9727,
85.1371


 48.1892, 73.9727,
85.1371


370.1117,
474.3791, 532.2380


 34.1886, 54.7717,
63.4039


 86.6940, 124.8571,
142.4406


 23.2021, 39.2190,
45.7249


 111.9290,
157.3093, 178.8479


 14.8643, 26.9301,
31.6817


 141.6394,
194.9473, 220.9837

 8.8099, 17.5207,
20.8557

 176.1908,
238.1556, 269.2664

 4.6735, 10.6065,
12.8283

 215.9483,
287.3186, 324.1147

 2.0898, 5.8029,
7.1811

261.2774,

 0.6837, 2.7256,

342.8205, 385.9470

3.4955

312.5434,
405.0459, 455.1819

■ 0.0000, 0.9902,
1.3529

■ 0.0000, 0.0000,
0.1045

■ 48.1892, 73.9727,
85.1371

■ 48.1892, 73.9727,
85.1371


■ 48.1899, 73.9749,
85.1352


■ 48.9005, 74.3056,
86.7772


■ 50.1279, 74.9023,
88.4602


■ 52.0312, 75.8471,
90.1952


■ 54.7063, 77.1893,
91.9869

 58.2336, 78.9703,
93.8390

 62.6834, 81.2264,
95.7550

 68.1186, 83.9901,
97.7379

 74.5966, 87.2910,
99.7904

 82.1705, 91.1563,
101.9150

Harmonies

Analogous

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



50.2038, 73.9727, 52.7217



48.1892, 73.9727, 85.1371



51.4721, 73.9727, 127.0430

Triad

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



48.1892, 73.9727, 85.1371



85.0783, 73.9727, 156.1183



82.0193, 73.9727, 31.9172

Complementary

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



48.1892, 73.9727, 85.1371



39.5717, 20.3841, 2.6109

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.



93.2579, 73.9727, 47.0507



48.1892, 73.9727, 85.1371



95.1713, 73.9727, 116.7522

Square

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



48.1892, 73.9727, 85.1371



71.8949, 73.9727, 175.2402



98.3338, 73.9727, 76.1186



68.7462, 73.9727, 28.1281

Rectangle

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



48.1892, 73.9727, 85.1371



56.4925, 73.9727, 153.0400



98.3338, 73.9727, 76.1186



86.2120, 73.9727, 35.5551

Sweetspot

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



48.1914, 73.9755, 85.1389



71.2196, 87.8381, 102.2242



34.5893, 68.5811, 11.4161



14.7031, 18.5258, 21.6910



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.



48.1914, 73.9755, 85.1389



50.4042, 77.3777, 89.0354



28.1670, 28.7234, 94.5052



17.6960, 19.5807, 21.8659



25.5881, 39.2482, 45.3018



2.3887, 3.6426, 4.2946

Inverse Universe

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



39.5717, 20.3841, 2.6109



41.3892, 21.3197, 2.7155



43.9866, 29.4460, 3.3669



17.3066, 17.2500, 18.2045



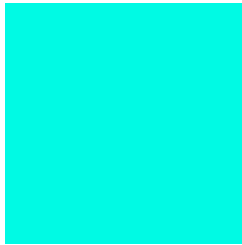
21.0101, 10.8198, 1.4955



1.9663, 1.0103, 0.2461

Previews

White Background



This preview shows how the XYZ color 48.1892, 73.9727, 85.1371 looks on a white background.

Color Contrast Check

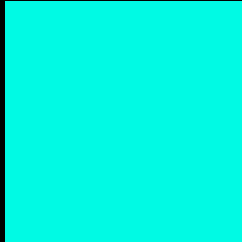
Large Text (above 18pt) WCAG AA × Fail

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 48.1892, 73.9727, 85.1371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

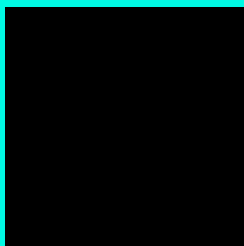
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1892, 73.9727, 85.1371

Background



This preview shows how black text looks on a background with the XYZ color 48.1892, 73.9727, 85.1371.

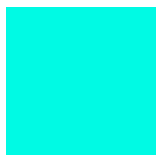


This preview shows how white text looks on a background with the XYZ color 48.1892, 73.9727, 85.1371.

Color Blindness Simulation

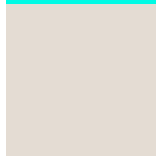
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



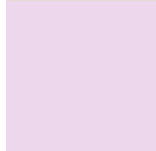
Original Color

48.1892, 73.9727, 85.1371



Protanopia

69.3460, 72.3835, 71.9445



Deuteranopia

74.0328, 72.4899, 89.4469



Tritanopia

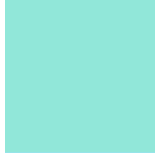
57.3739, 73.3130, 105.7346

Trichromacy



Original Color

48.1892, 73.9727, 85.1371



Protanomaly

52.7774, 68.1813, 76.0243



Deuteranomaly

55.0291, 67.8540, 87.2876



Tritanomaly

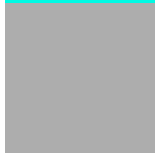
51.8403, 72.3992, 97.6284

Monochromacy



Original Color

48.1892, 73.9727, 85.1371



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.9427, 48.9385, 57.9511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1892, 73.9727, 85.1371 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, 250, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 228)  
}
```

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, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.1892, 73.9727, 85.1371 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, 250, 228) }
```


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

```
.border{ border-color:rgb(0, 250, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 250, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1892, 73.9727, 85.1371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 228) }
```

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

```
.background{ background-color: rgb(0, 250,  
228) }
```

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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