

Converting Colors

XYZ(44.5379, 72.6708, 85.0572)

Have a look what the booklet for
XYZ(44.5379, 72.6708, 85.0572)
contains.

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Color

**XYZ(48.5008, 74.5958,
85.2410)**

Conversions

Conversions Part 1

Format	Color
Hex	00FBE4
RGB	0, 251, 228
RGB Percent	0%, 98%, 89%
CMY	0.9998, 0.0157, 0.1059
CMYK	1.00, 0.00, 0.09, 0.02
HSL	175°, 100%, 49%
HSV	175°, 100%, 98%
XYZ	48.5008, 74.5958, 85.2410
YIQ	173.3290, -142.2130, -60.3650

Conversions

Conversions Part 2

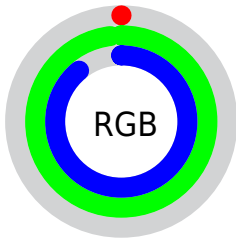
Format	Color
RYB	0, 132, 251
Decimal	64484
CIELab	89.20, -53.91, -2.94
CIELCh	89, 53.991, 183.125
Yxy	74.5958, 0.2328, 0.3581
Android (android.graphics.Color)	4278254564 (0xFF00FBE4)
YUV	173.3290, 26.9528, -152.0095
Hunter-Lab	86.3689, -50.9081, 1.9424

Details

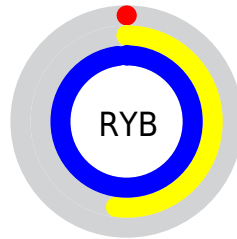
The XYZ color **48.5008, 74.5958, 85.2410** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.9410, 20.5734, 2.6799**, and the grayscale version is **39.8173, 41.8909, 45.6192**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.6128, 41.1571, 46.0766** is the 20% darker color. If you saturate the color by 10%, you get **48.5014, 74.5979, 85.2386**, and if you desaturate by 10%, it is **49.2287, 74.9356, 86.9553**.

Distribution



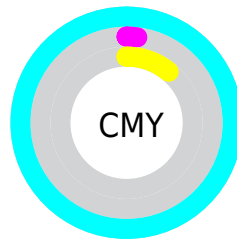
- Red (0%)
- Green (98%)
- Blue (89%)



- Red (0%)
- Yellow (52%)
- 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 48.5008, 74.5958, 85.2410 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 48.5008, 74.5958, 85.2410 by changing the saturation by 10% instead.


 48.5008, 74.5958,
85.2410


 48.5008, 74.5958,
85.2410


371.3234,
476.5271, 532.5906


 34.4365, 55.2818,
63.4892


 87.1548, 125.7400,
142.5870

 23.3936, 39.6274,
45.7936


 112.4752,
158.3391, 179.0183

 15.0067, 27.2482,
31.7355


 142.2784,
196.1353, 221.1799

 8.9105, 17.7597,
20.8964

 176.9297,
239.5130, 269.4902

 4.7395, 10.7776,
12.8578

 216.7945,
288.8566, 324.3680

 2.1284, 5.9175,
7.2011

262.2382,

 0.7046, 2.7950,

344.5506, 386.2316

3.5078

313.6260,
406.9793, 455.4996

■ 0.0000, 1.0257,
1.3594

■ 0.0000, 0.0000,
0.1098

■ 48.5008, 74.5958,
85.2410

■ 48.5008, 74.5958,
85.2410

■ 48.5014, 74.5979,
85.2386

■ 49.2287, 74.9356,
86.9553

■ 50.4781, 75.5420,
88.7147

■ 52.4100, 76.4998,
90.5283

■ 55.1213, 77.8589,
92.4009

■ 58.6931, 79.6611,
94.3362

■ 63.1965, 81.9430,
96.3378

■ 68.6949, 84.7375,
98.4086

■ 75.2466, 88.0743,
100.5515

■ 82.9048, 91.9811,
102.7690

Harmonies

Analogous

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



50.6253, 74.5958, 52.6496



48.5008, 74.5958, 85.2410



51.7364, 74.5958, 127.6541

Triad

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



48.5008, 74.5958, 85.2410



85.6605, 74.5958, 158.3637



82.9762, 74.5958, 32.1834

Complementary

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



48.5008, 74.5958, 85.2410



39.9410, 20.5734, 2.6799

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.



94.2954, 74.5958, 47.6845



48.5008, 74.5958, 85.2410



95.9751, 74.5958, 118.6176

Square

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



48.5008, 74.5958, 85.2410



72.2908, 74.5958, 177.3008



99.3140, 74.5958, 77.3316



69.5293, 74.5958, 28.1930

Rectangle

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



48.5008, 74.5958, 85.2410



56.7642, 74.5958, 154.1537



99.3140, 74.5958, 77.3316



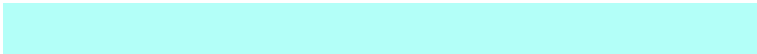
87.2094, 74.5958, 35.9210

Sweetspot

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



48.5030, 74.5986, 85.2428



71.1764, 87.8208, 101.9968



34.9034, 69.2055, 11.5202



14.6926, 18.5216, 21.6358



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.



48.5030, 74.5986, 85.2428



50.2724, 77.3250, 88.3415



28.4206, 28.9790, 95.3654



17.6932, 19.5795, 21.8508



25.5223, 39.2219, 44.9554



2.3833, 3.6404, 4.2661

Inverse Universe

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



39.9410, 20.5734, 2.6799



41.3984, 21.3234, 2.7643



44.3847, 29.7087, 3.3968



17.3092, 17.2510, 18.2181



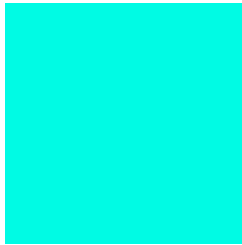
21.0154, 10.8219, 1.5238



1.9675, 1.0108, 0.2525

Previews

White Background



This preview shows how the XYZ color 48.5008, 74.5958, 85.2410 looks on a white background.

Color Contrast Check

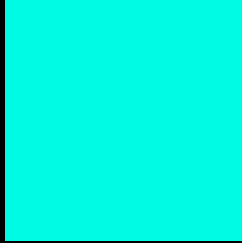
Large Text (above 18pt) WCAG AA × Fail

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 48.5008, 74.5958, 85.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

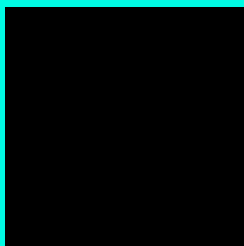
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5008, 74.5958, 85.2410

Background



This preview shows how black text looks on a background with the XYZ color 48.5008, 74.5958, 85.2410.



This preview shows how white text looks on a background with the XYZ color 48.5008, 74.5958,

Color Blindness Simulation

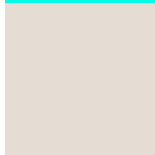
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



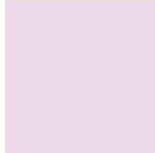
Original Color

48.5008, 74.5958, 85.2410



Protanopia

69.9274, 73.0741, 72.0472



Deuteranopia

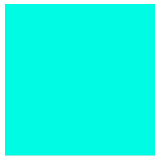
74.6212, 73.1724, 89.5476



Tritanopia

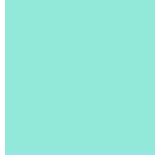
58.4160, 74.2860, 105.8675

Trichromacy



Original Color

48.5008, 74.5958, 85.2410



Protanomaly

53.2351, 68.8340, 76.1261



Deuteranomaly

55.4898, 68.5011, 87.3882



Tritanomaly

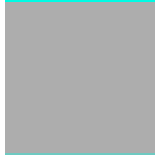
52.3994, 73.1329, 97.7405

Monochromacy



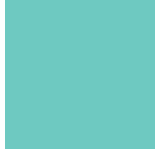
Original Color

48.5008, 74.5958, 85.2410



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 48.5008, 74.5958, 85.2410 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, 251, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 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, 251, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.5008, 74.5958, 85.2410 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, 251, 228) }
```


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

```
.border{ border-color:rgb(0, 251, 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, 251, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5008, 74.5958, 85.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 228) }
```

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

```
.background{ background-color: rgb(0, 251,  
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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