

Converting Colors

XYZ(48.9736, 74.2774, 88.9896)

Have a look what the booklet for
XYZ(48.9736, 74.2774, 88.9896)
contains.

XYZ(48.9562, 74.2867, 88.8493)	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(48.9562, 74.2867,
88.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	05FAE9
RGB	5, 250, 233
RGB Percent	2%, 98%, 91%
CMY	0.9801, 0.0196, 0.0863
CMYK	0.98, 0.00, 0.07, 0.02
HSL	176°, 96%, 50%
HSV	176°, 98%, 98%
XYZ	48.9562, 74.2867, 88.8493
YIQ	174.8070, -140.5630, -57.2270

Conversions

Conversions Part 2

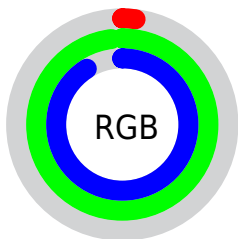
Format	Color
RYB	5, 132, 250
Decimal	391913
CIELab	89.06, -52.04, -5.76
CIELCh	89, 52.354, 186.316
Yxy	74.2867, 0.2308, 0.3503
Android (android.graphics.Color)	4278581993 (0xFF05FAE9)
YUV	174.8070, 28.6891, -148.9207
Hunter-Lab	86.1897, -49.4431, -0.7867

Details

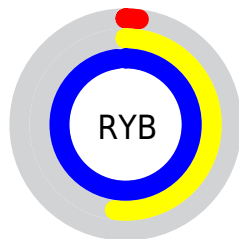
The XYZ color **48.9562, 74.2867, 88.8493** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.6261, 20.4928, 2.6293**, and the grayscale version is **40.5669, 42.6795, 46.4780**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **26.7854, 40.8736, 48.0726** is the 20% darker color. If you saturate the color by 10%, you get **48.8448, 74.2368, 88.5839**, and if you desaturate by 10%, it is **49.6815, 74.6335, 90.1855**.

Distribution



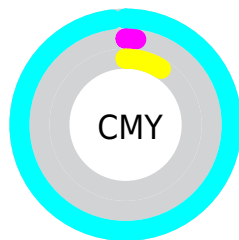
- Red (2%)
- Green (98%)
- Blue (91%)



- Red (2%)
- Yellow (52%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9562, 74.2867, 88.8493 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 48.9562, 74.2867, 88.8493 by changing the saturation by 10% instead.


 48.9562, 74.2867,
88.8493


 48.9562, 74.2867,
88.8493


373.0897,
475.4623, 544.7537


 34.7991, 55.0287,
66.4583


 87.8275, 125.3021,
147.6605


 23.6740, 39.4247,
48.1857


 113.2725,
157.8284, 184.9178

 15.2154, 27.0903,
33.6130


 143.2107,
195.5462, 227.9677

 9.0580, 17.6410,
22.3215

 178.0077,
238.8400, 277.2286

 4.8364, 10.6926,
13.8927

218.0288,
288.0940, 333.1191

 2.1854, 5.8605,
7.9082

263.6392,

 0.7350, 2.7605,

343.6929, 396.0578

3.9493

315.2044,
406.0208, 466.4631

■ 0.0000, 1.0080,
1.5976

■ 0.0000, 0.0000,
0.2891

■ 48.9562, 74.2867,
88.8493

■ 48.9562, 74.2867,
88.8493

■ 48.8448, 74.2368,
88.5839

■ 49.6815, 74.6335,
90.1855

■ 50.9749, 75.2712,
91.5594

■ 52.9637, 76.2671,
92.9786

■ 55.7398, 77.6686,
94.4476

■ 59.3814, 79.5160,
95.9698

■ 63.9572, 81.8447,
97.5488

■ 69.5287, 84.6864,
99.1872

■ 76.1526, 88.0704,
100.8879

■ 83.8809, 92.0234,
102.6533

Harmonies

Analogous

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



50.4710, 74.2867, 55.8566



48.9562, 74.2867, 88.8493



52.6556, 74.2867, 129.9391

Triad

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



48.9562, 74.2867, 88.8493



86.1267, 74.2867, 151.5826



80.9086, 74.2867, 32.1573

Complementary

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



48.9562, 74.2867, 88.8493



39.6261, 20.4928, 2.6293

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.



92.2355, 74.2867, 46.0527



48.9562, 74.2867, 88.8493



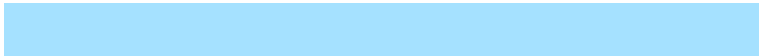
95.4926, 74.2867, 112.4566

Square

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



48.9562, 74.2867, 88.8493



73.3358, 74.2867, 172.5409



97.8526, 74.2867, 73.4126



67.9473, 74.2867, 29.2836

Rectangle

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



48.9562, 74.2867, 88.8493



57.8773, 74.2867, 154.4086



97.8526, 74.2867, 73.4126



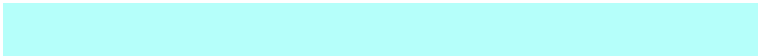
85.0791, 74.2867, 35.4355

Sweetspot

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



48.9584, 74.2895, 88.8511



72.0622, 88.2436, 103.5678



34.6272, 68.5974, 11.5610



14.8740, 18.6070, 22.0101



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.



48.9584, 74.2895, 88.8511



51.0899, 77.6520, 92.6462



27.9006, 28.0977, 94.3984



17.7107, 19.5866, 21.9433



25.9303, 39.3851, 47.1035



2.4168, 3.6538, 4.4425

Inverse Universe

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



39.6261, 20.4928, 2.6293



41.3467, 21.3027, 2.4921



44.7238, 30.8766, 3.7480



17.2935, 17.2447, 18.1352



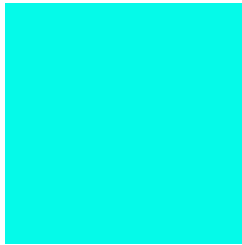
20.9852, 10.8098, 1.3646



1.9601, 1.0078, 0.2132

Previews

White Background



This preview shows how the XYZ color 48.9562, 74.2867, 88.8493 looks on a white background.

Color Contrast Check

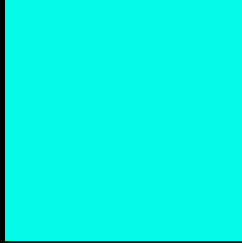
Large Text (above 18pt) WCAG AA × Fail

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 48.9562, 74.2867, 88.8493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

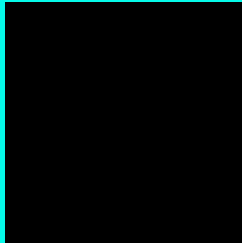
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

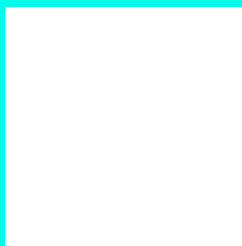
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9562, 74.2867, 88.8493

Background



This preview shows how black text looks on a background with the XYZ color 48.9562, 74.2867, 88.8493.

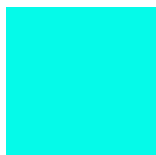


This preview shows how white text looks on a background with the XYZ color 48.9562, 74.2867,

Color Blindness Simulation

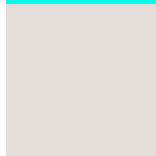
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



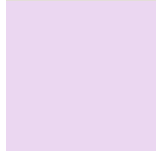
Original Color

48.9562, 74.2867, 88.8493



Protanopia

69.9297, 73.0017, 75.3708



Deuteranopia

74.4386, 72.6139, 93.3116



Tritanopia

57.9625, 74.0522, 105.8463

Trichromacy



Original Color

48.9562, 74.2867, 88.8493



Protanomaly

53.8955, 69.0981, 79.6039



Deuteranomaly

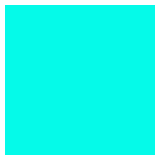
55.9385, 68.2392, 91.1121



Tritanomaly

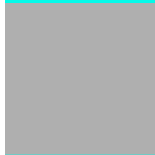
52.7065, 73.2558, 99.3575

Monochromacy



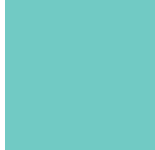
Original Color

48.9562, 74.2867, 88.8493



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.8944, 49.7373, 59.8276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9562, 74.2867, 88.8493 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(5, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(5, 250, 233)  
}
```

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(5, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 250, 233) }
```

Border

The CSS property to change the border of an element to XYZ 48.9562, 74.2867, 88.8493 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(5, 250, 233) }
```


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

```
.border{ border-color:rgb(5, 250, 233) }
```

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

Here you see how a box with a 4 pixel rgb(5, 250, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(5, 250,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9562, 74.2867, 88.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 250, 233) }
```

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

```
.background{ background-color: rgb(5, 250,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor