

Converting Colors

XYZ(49.6815, 74.0858, 86.1768)

Have a look what the booklet for
XYZ(49.6815, 74.0858, 86.1768)
contains.

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Color

**XYZ(49.8460, 74.3344,
86.5837)**

Conversions

Conversions Part 1

Format	Color
Hex	39F9E6
RGB	57, 249, 230
RGB Percent	22%, 98%, 90%
CMY	0.7764, 0.0235, 0.0980
CMYK	0.77, 0.00, 0.08, 0.02
HSL	174°, 94%, 60%
HSV	174°, 77%, 98%
XYZ	49.8460, 74.3344, 86.5837
YIQ	189.4260, -108.3330, -46.6130

Conversions

Conversions Part 2

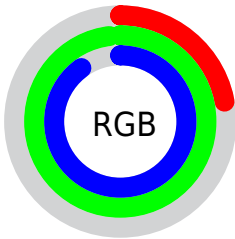
Format	Color
R _{YB}	57, 158, 249
Decimal	3799526
CIE Lab	89.08, -49.72, -4.12
CIE LCh	89, 49.890, 184.735
Yxy	74.3344, 0.2365, 0.3527
Android (android.graphics.Color)	4281989606 (0xFF39F9E6)
YUV	189.4260, 20.0030, -116.1376
Hunter-Lab	86.2174, -47.6819, 0.8103

Details

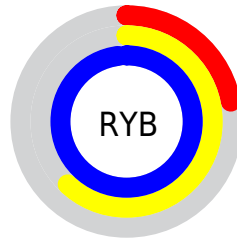
The XYZ color **49.8460, 74.3344, 86.5837** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.8372, 23.5901, 9.1887**, and the grayscale version is **48.5504, 51.0788, 55.6248**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **26.5875, 40.7944, 47.0302** is the 20% darker color. If you saturate the color by 10%, you get **48.4155, 73.6384, 84.7243**, and if you desaturate by 10%, it is **51.9809, 75.3964, 88.5049**.

Distribution



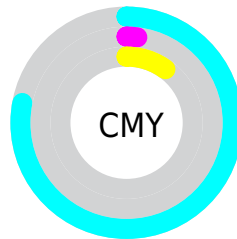
- Red (22%)
- Green (98%)
- Blue (90%)



- Red (22%)
- Yellow (62%)
- Blue (98%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (78%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8460, 74.3344, 86.5837 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 49.8460, 74.3344, 86.5837 by changing the saturation by 10% instead.


 49.8460, 74.3344,
86.5837


 49.8460, 74.3344,
86.5837


376.5254,
475.6267, 537.1346


 35.5083, 55.0678,
64.5931


 89.1398, 125.3697,
144.4775


 24.2231, 39.4560,
46.6820


 114.8268,
157.9072, 181.2178

 15.6248, 27.1146,
32.4318


 145.0275,
195.6371, 223.7117

 9.3482, 17.6593,
21.4240

 180.1073,
238.9439, 272.3777

 5.0279, 10.7057,
13.2400

220.4317,
288.2118, 327.6345

 2.2986, 5.8693,
7.4613

266.3659,

 0.7939, 2.7658,

343.8253, 389.9006

3.6695

318.2753,
406.1688, 459.5944

■ 0.0000, 1.0107,
1.4458

■ 0.0000, 0.0000,
0.1771

■ 49.8460, 74.3344,
86.5837

■ 49.8460, 74.3344,
86.5837

■ 48.4155, 73.6384,
84.7243

■ 51.9809, 75.3964,
88.5049

■ 47.5677, 73.2405,
82.9160

■ 54.9034, 76.8622,
90.4870

■ 47.3801, 73.1550,
82.3996

■ 58.6920, 78.7739,
92.5353

■ 63.4139, 81.1661,
94.6532

69.1299, 84.0702,
96.8436

75.8954, 87.5148,
99.1091

83.7618, 91.5264,
101.4523

92.3279, 95.8981,
103.8545

92.7164, 96.0535,
105.9004

Harmonies

Analogous

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



51.5723, 74.3344, 55.6225



49.8460, 74.3344, 86.5837



53.1506, 74.3344, 125.3260

Triad

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



49.8460, 74.3344, 86.5837



84.8077, 74.3344, 149.2587



81.0929, 74.3344, 34.2779

Complementary

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



49.8460, 74.3344, 86.5837



41.8372, 23.5901, 9.1887

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.



91.6282, 74.3344, 48.5045



49.8460, 74.3344, 86.5837



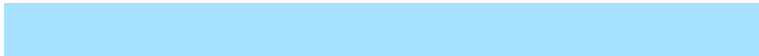
93.9394, 74.3344, 112.9606

Square

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



49.8460, 74.3344, 86.5837



72.5975, 74.3344, 167.5332



96.5675, 74.3344, 75.5423



68.7428, 74.3344, 30.9160

Rectangle

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



49.8460, 74.3344, 86.5837



58.0122, 74.3344, 148.7264



96.5675, 74.3344, 75.5423



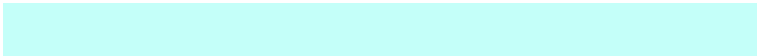
85.0075, 74.3344, 37.6985

Sweetspot

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



49.8482, 74.3372, 86.5855



75.7455, 90.1545, 103.1916



37.6132, 69.5945, 15.3234



15.6838, 19.0276, 21.9038



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.



49.8482, 74.3372, 86.5855



50.5052, 77.4466, 88.2799



33.5797, 37.2943, 95.0543



17.6874, 19.5772, 21.8204



25.3911, 39.1694, 44.2641



2.3725, 3.6361, 4.2092

Inverse Universe

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



41.8372, 23.5901, 9.1887



41.8598, 21.8501, 4.1386



48.3060, 37.4337, 8.5522



17.3144, 17.2531, 18.2453



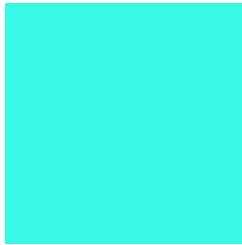
21.0267, 10.8264, 1.5832



1.9700, 1.0117, 0.2654

Previews

White Background



This preview shows how the XYZ color 49.8460, 74.3344, 86.5837 looks on a white background.

Color Contrast Check

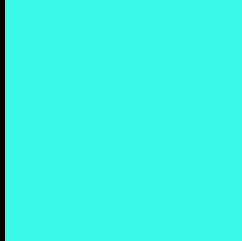
Large Text (above 18pt) WCAG AA × Fail

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 49.8460, 74.3344, 86.5837 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

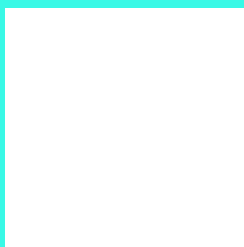
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8460, 74.3344, 86.5837

Background



This preview shows how black text looks on a background with the XYZ color 49.8460, 74.3344, 86.5837.

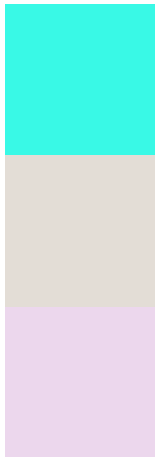


This preview shows how white text looks on a background with the XYZ color 49.8460, 74.3344,

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

49.8460, 74.3344, 86.5837

Protanopia

69.6726, 72.8988, 74.0171

Deuteranopia

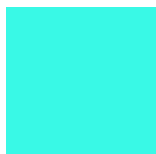
74.1786, 72.5482, 90.2143



Tritanopia

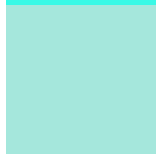
58.1224, 73.6988, 105.7697

Trichromacy



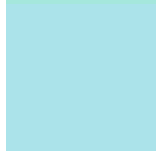
Original Color

49.8460, 74.3344, 86.5837



Protanomaly

57.0112, 70.3185, 78.2782



Deuteranomaly

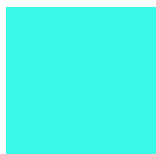
59.1150, 69.5366, 88.1481



Tritanomaly

54.2787, 73.6386, 98.5417

Monochromacy



Original Color

49.8460, 74.3344, 86.5837



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.1779, 56.6109, 65.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8460, 74.3344, 86.5837 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(57, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(57, 249, 230)  
}
```

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(57, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 249, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.8460, 74.3344, 86.5837 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(57, 249, 230) }
```


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

```
.border{ border-color:rgb(57, 249, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 249, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(57, 249,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8460, 74.3344, 86.5837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 249, 230) }
```

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

```
.background{ background-color: rgb(57, 249,  
230) }
```

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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