

Converting Colors

XYZ(37.7525, 68.6640, 83.7444)

Have a look what the booklet for
XYZ(37.7525, 68.6640, 83.7444)
contains.

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Color

**XYZ(48.0507, 73.9173,
84.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAE3
RGB	0, 250, 227
RGB Percent	0%, 98%, 89%
CMY	0.9998, 0.0196, 0.1098
CMYK	1.00, 0.00, 0.09, 0.02
HSL	174°, 100%, 49%
HSV	174°, 100%, 98%
XYZ	48.0507, 73.9173, 84.4080
YIQ	172.6280, -141.6170, -60.1530

Conversions

Conversions Part 2

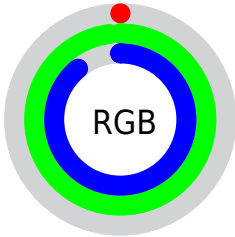
Format	Color
RYB	0, 131, 250
Decimal	64227
CIELab	88.88, -53.77, -2.89
CIELCh	89, 53.849, 183.079
Yxy	73.9173, 0.2328, 0.3582
Android (android.graphics.Color)	4278254307 (0xFF00FAE3)
YUV	172.6280, 26.8054, -151.3948
Hunter-Lab	85.9752, -50.6946, 1.9734

Details

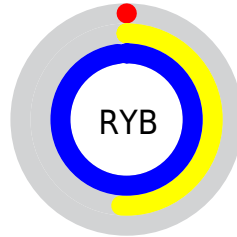
The XYZ color **48.0507, 73.9173, 84.4080** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5815, 20.3879, 2.6626**, and the grayscale version is **39.4596, 41.5146, 45.2094**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.2960, 40.6778, 45.4954** is the 20% darker color. If you saturate the color by 10%, you get **48.0515, 73.9195, 84.4062**, and if you desaturate by 10%, it is **48.7742, 74.2550, 86.1124**.

Distribution



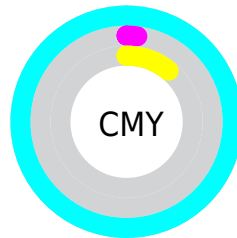
- Red (0%)
- Green (98%)
- Blue (89%)



- 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 48.0507, 73.9173, 84.4080 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 48.0507, 73.9173, 84.4080 by changing the saturation by 10% instead.


 48.0507, 73.9173,
84.4080


 48.0507, 73.9173,
84.4080


369.5723,
474.1879, 529.7605


 34.0785, 54.7264,
62.8050


 86.4891, 124.7786,
141.4126


 23.1171, 39.1827,
45.2435


 111.6860,
157.2177, 177.6512


 14.8011, 26.9019,
31.3049


 141.3552,
194.8416, 219.6055

 8.7653, 17.4995,
20.5707

 175.8619,
238.0348, 267.6940

 4.6443, 10.5913,
12.6224

 215.5717,
287.1817, 322.3352

 2.0727, 5.7927,
7.0414


260.8498,


 0.6743, 2.7195,


342.6665, 383.9477


3.4092


312.0615,
404.8738, 452.9499


 0.0000, 0.9871,
1.3072

 0.0000, 0.0000,
0.0676


 48.0507, 73.9173,
84.4080


 48.0507, 73.9173,
84.4080

 48.0515, 73.9195,
84.4062

 48.7742, 74.2550,
86.1124

 50.0140, 74.8567,
87.8616

 51.9301, 75.8066,
89.6647

 54.6184, 77.1540,
91.5264

■ 58.1592, 78.9405,
93.4504

■ 62.6228, 81.2021,
95.4402

■ 68.0722, 83.9715,
97.4988

■ 74.5648, 87.2781,
99.6290

■ 82.1536, 91.1494,
101.8332

Harmonies

Analogous

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



50.1647, 73.9173, 52.1222



48.0507, 73.9173, 84.4080



51.2498, 73.9173, 126.4499

Triad

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



48.0507, 73.9173, 84.4080



84.8688, 73.9173, 157.0115



82.2467, 73.9173, 31.8903

Complementary

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



48.0507, 73.9173, 84.4080



39.5815, 20.3879, 2.6626

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.



93.4616, 73.9173, 47.2731



48.0507, 73.9173, 84.4080



95.1024, 73.9173, 117.6223

Square

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



48.0507, 73.9173, 84.4080



71.6135, 73.9173, 175.7437



98.4251, 73.9173, 76.6823



68.9161, 73.9173, 27.9203

Rectangle

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



48.0507, 73.9173, 84.4080



56.2286, 73.9173, 152.7353



98.4251, 73.9173, 76.6823



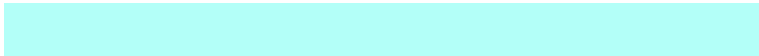
86.4419, 73.9173, 35.6004

Sweetspot

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



48.0528, 73.9201, 84.4098



71.1721, 87.8191, 101.9740



34.5892, 68.5810, 11.4159



14.6916, 18.5212, 21.6302



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.



48.0528, 73.9201, 84.4098



50.2593, 77.3197, 88.2722



28.1667, 28.7229, 94.5052



17.6929, 19.5794, 21.8493



25.5158, 39.2193, 44.9208



2.3827, 3.6402, 4.2633

Inverse Universe

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



39.5815, 20.3879, 2.6626



41.3994, 21.3237, 2.7692



43.9864, 29.4455, 3.3667



17.3095, 17.2511, 18.2194



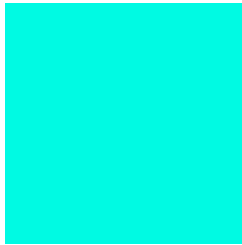
21.0160, 10.8221, 1.5266



1.9677, 1.0108, 0.2531

Previews

White Background



This preview shows how the XYZ color 48.0507, 73.9173, 84.4080 looks on a white background.

Color Contrast Check

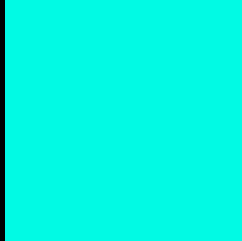
Large Text (above 18pt) WCAG AA × Fail

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 48.0507, 73.9173, 84.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

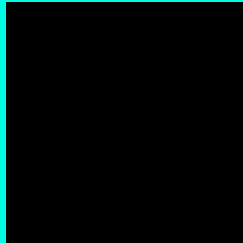
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0507, 73.9173, 84.4080

Background



This preview shows how black text looks on a background with the XYZ color 48.0507, 73.9173, 84.4080.



This preview shows how white text looks on a background with the XYZ color 48.0507, 73.9173,

Color Blindness Simulation

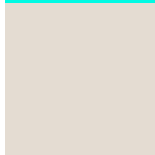
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



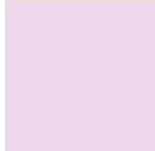
Original Color

48.0507, 73.9173, 84.4080



Protanopia

69.2210, 72.3335, 71.2862



Deuteranopia

73.8879, 72.4319, 88.6837



Tritanopia

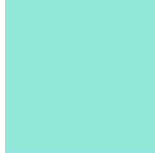
57.3739, 73.3130, 105.7346

Trichromacy



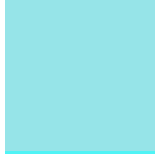
Original Color

48.0507, 73.9173, 84.4080



Protanomaly

52.6476, 68.1294, 75.3412



Deuteranomaly

54.8866, 67.7970, 86.5372



Tritanomaly

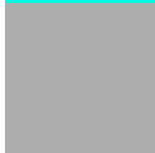
51.8403, 72.3992, 97.6284

Monochromacy



Original Color

48.0507, 73.9173, 84.4080



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 48.0507, 73.9173, 84.4080 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 227) }
```

Border

The CSS property to change the border of an element to XYZ 48.0507, 73.9173, 84.4080 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, 227) }
```


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

```
.border{ border-color:rgb(0, 250, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0507, 73.9173, 84.4080 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, 227) }
```

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

```
.background{ background-color: rgb(0, 250,  
227) }
```

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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