

Converting Colors

XYZ(48.8256, 74.1775, 88.6414)

Have a look what the booklet for
XYZ(48.8256, 74.1775, 88.6414)
contains.

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Color

**XYZ(48.8936, 74.2544,
88.8464)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAE9
RGB	0, 250, 233
RGB Percent	0%, 98%, 91%
CMY	0.9998, 0.0196, 0.0863
CMYK	1.00, 0.00, 0.07, 0.02
HSL	176°, 100%, 49%
HSV	176°, 100%, 98%
XYZ	48.8936, 74.2544, 88.8464
YIQ	173.3120, -143.5430, -58.2870

Conversions

Conversions Part 2

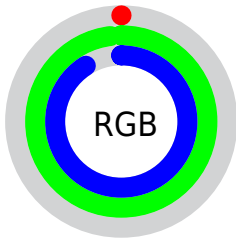
Format	Color
RYB	0, 129, 250
Decimal	64233
CIELab	89.04, -52.14, -5.78
CIELCh	89, 52.462, 186.330
Yxy	74.2544, 0.2306, 0.3503
Android (android.graphics.Color)	4278254313 (0xFF00FAE9)
YUV	173.3120, 29.4262, -151.9946
Hunter-Lab	86.1710, -49.5180, -0.8111

Details

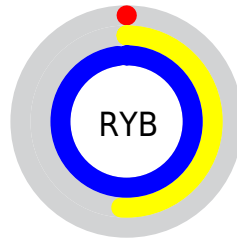
The XYZ color **48.8936, 74.2544, 88.8464** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5280, 20.3667, 2.3808**, and the grayscale version is **39.7972, 41.8697, 45.5961**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.7854, 40.8736, 48.0726** is the 20% darker color. If you saturate the color by 10%, you get **48.8944, 74.2565, 88.8449**, and if you desaturate by 10%, it is **49.5417, 74.5619, 90.1528**.

Distribution



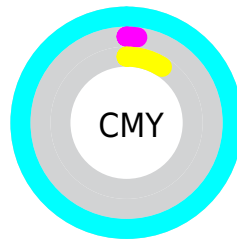
- Red (0%)
- Green (98%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8936, 74.2544, 88.8464 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 48.8936, 74.2544, 88.8464 by changing the saturation by 10% instead.


 48.8936, 74.2544,
88.8464


 48.8936, 74.2544,
88.8464


372.8472,
475.3509, 544.7440


 34.7493, 55.0023,
66.4559


 87.7351, 125.2564,
147.6564

 23.6354, 39.4035,
48.1838


 113.1629,
157.7750, 184.9131

 15.1867, 27.0738,
33.6114


 143.0827,
195.4846, 227.9622

 9.0377, 17.6287,
22.3203

 177.8597,
238.7696, 277.2224

 4.8231, 10.6837,
13.8919

217.8593,
288.0143, 333.1121

 2.1775, 5.8546,
7.9076

263.4468,

 0.7308, 2.7569,

343.6032, 396.0499

3.9490

314.9877,
405.9206, 466.4544

■ 0.0000, 1.0062,
1.5974

■ 0.0000, 0.0000,
0.2890

■ 48.8936, 74.2544,
88.8464

■ 48.8936, 74.2544,
88.8464

■ 48.8944, 74.2565,
88.8449

■ 49.5417, 74.5619,
90.1528

■ 50.7043, 75.1328,
91.4940

■ 52.5413, 76.0511,
92.8789

■ 55.1486, 77.3662,
94.3123

■ 58.6064, 79.1195,
95.7978

■ 62.9852, 81.3472,
97.3388

■ 68.3478, 84.0819,
98.9382

■ 74.7517, 87.3531,
100.5989

■ 82.2499, 91.1882,
102.3232

Harmonies

Analogous

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



50.4078, 74.2544, 55.7960



48.8936, 74.2544, 88.8464



52.5999, 74.2544, 130.0261

Triad

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



48.8936, 74.2544, 88.8464



86.1310, 74.2544, 151.6901



80.8911, 74.2544, 32.0635

Complementary

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



48.8936, 74.2544, 88.8464



39.5280, 20.3667, 2.3808

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.



92.2430, 74.2544, 45.9608



48.8936, 74.2544, 88.8464



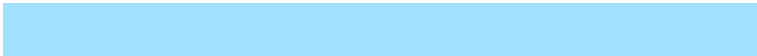
95.5141, 74.2544, 112.4656

Square

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



48.8936, 74.2544, 88.8464



73.3159, 74.2544, 172.7164



97.8756, 74.2544, 73.3492



67.9063, 74.2544, 29.1942

Rectangle

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



48.8936, 74.2544, 88.8464



57.8303, 74.2544, 154.5528



97.8756, 74.2544, 73.3492



85.0703, 74.2544, 35.3409

Sweetspot

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



48.8958, 74.2572, 88.8482



71.4584, 87.9336, 103.4816



34.4941, 68.5319, 11.4118



14.7611, 18.5490, 21.9966



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.



48.8958, 74.2572, 88.8482



51.1418, 77.6727, 92.9195



27.5143, 27.4180, 94.2875



17.7118, 19.5870, 21.9491



25.9561, 39.3955, 47.2398



2.4189, 3.6547, 4.4537

Inverse Universe

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



39.5280, 20.3667, 2.3808



41.3439, 21.3016, 2.4772



44.3970, 30.2668, 3.5039



17.2925, 17.2444, 18.1300



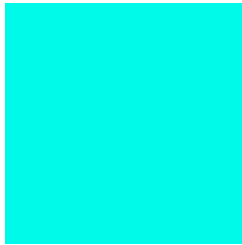
20.9835, 10.8091, 1.3557



1.9596, 1.0076, 0.2107

Previews

White Background



This preview shows how the XYZ color 48.8936, 74.2544, 88.8464 looks on a white background.

Color Contrast Check

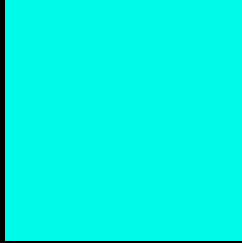
Large Text (above 18pt) WCAG AA × Fail

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 48.8936, 74.2544, 88.8464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

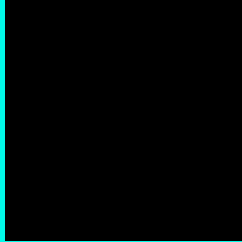
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8936, 74.2544, 88.8464

Background



This preview shows how black text looks on a background with the XYZ color 48.8936, 74.2544, 88.8464.

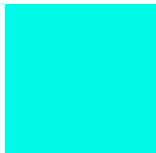


This preview shows how white text looks on a background with the XYZ color 48.8936, 74.2544,

Color Blindness Simulation

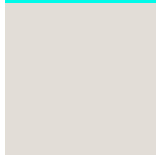
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



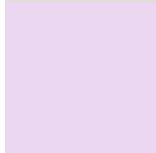
Original Color

48.8936, 74.2544, 88.8464



Protanopia

69.9297, 73.0017, 75.3708



Deuteranopia

74.4386, 72.6139, 93.3116



Tritanopia

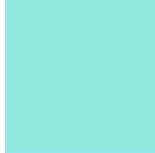
57.9625, 74.0522, 105.8463

Trichromacy



Original Color

48.8936, 74.2544, 88.8464



Protanomaly

53.5430, 68.9164, 79.5874



Deuteranomaly

55.7537, 68.1439, 91.1035



Tritanomaly

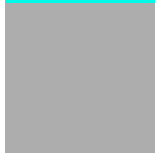
52.5325, 73.1661, 99.3494

Monochromacy



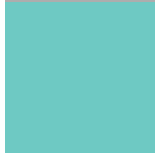
Original Color

48.8936, 74.2544, 88.8464



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.1674, 49.0284, 59.1343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8936, 74.2544, 88.8464 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 233) }
```

Border

The CSS property to change the border of an element to XYZ 48.8936, 74.2544, 88.8464 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, 233) }
```


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

```
.border{ border-color:rgb(0, 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(0, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8936, 74.2544, 88.8464 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, 233) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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