

Converting Colors

XYZ(48.2373, 73.5035, 86.8981)

Have a look what the booklet for
XYZ(48.2373, 73.5035, 86.8981)
contains.

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Color

**XYZ(48.2995, 73.5209,
87.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	00F9E7
RGB	0, 249, 231
RGB Percent	0%, 98%, 91%
CMY	0.9998, 0.0235, 0.0941
CMYK	1.00, 0.00, 0.07, 0.02
HSL	176°, 100%, 49%
HSV	176°, 100%, 98%
XYZ	48.2995, 73.5209, 87.2466
YIQ	172.4970, -142.6260, -58.3860

Conversions

Conversions Part 2

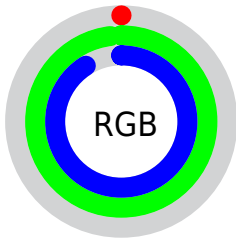
Format	Color
RYB	0, 129, 249
Decimal	63975
CIELab	88.70, -52.28, -5.25
CIELCh	89, 52.539, 185.739
Yxy	73.5209, 0.2310, 0.3517
Android (android.graphics.Color)	4278254055 (0xFF00F9E7)
YUV	172.4970, 28.8420, -151.2799
Hunter-Lab	85.7443, -49.5041, -0.3078

Details

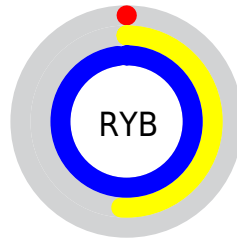
The XYZ color **48.2995, 73.5209, 87.2466** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.1786, 20.1856, 2.4063**, and the grayscale version is **39.3849, 41.4360, 45.1238**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.6861, 40.8339, 47.5495** is the 20% darker color. If you saturate the color by 10%, you get **48.3003, 73.5230, 87.2450**, and if you desaturate by 10%, it is **48.9566, 73.8318, 88.6136**.

Distribution



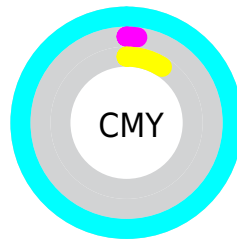
- Red (0%)
- Green (98%)
- Blue (91%)



- 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 48.2995, 73.5209, 87.2466 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 48.2995, 73.5209, 87.2466 by changing the saturation by 10% instead.


 48.2995, 73.5209,
87.2466


 48.2995, 73.5209,
87.2466

370.5409,
472.8182, 539.3701


 34.2764, 54.4020,
65.1385


 86.8572, 124.2164,
145.4097

 23.2699, 38.9231,
47.1213


 112.1224,
156.5618, 182.3018


 14.9147, 26.6999,
32.7766


 141.8657,
194.0849, 224.9590

 8.8455, 17.3480,
21.6856


 176.4525,
237.1699, 273.7998

 4.6968, 10.4829,
13.4300

 216.2480,
286.2014, 329.2428

 2.1034, 5.7203,
7.5911

261.6177,

 0.6911, 2.6758,

341.5636, 391.7065

3.7504

312.9269,
403.6411, 461.6094

■ 0.0000, 0.9649,
1.4895

■ 0.0000, 0.0000,
0.2101

■ 48.2995, 73.5209,
87.2466

■ 48.2995, 73.5209,
87.2466

■ 48.3003, 73.5230,
87.2450

■ 48.9566, 73.8318,
88.6136

■ 50.1235, 74.4035,
90.0165

■ 51.9590, 75.3196,
91.4644

■ 54.5579, 76.6289,
92.9618

■ 57.9996, 78.3724,
94.5124

■ 62.3539, 80.5861,
96.1197

■ 67.6831, 83.3020,
97.7864

■ 74.0440, 86.5495,
99.5154

■ 81.4891, 90.3556,
101.3091

Harmonies

Analogous

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



49.9065, 73.5209, 54.6285



48.2995, 73.5209, 87.2466



51.8819, 73.5209, 128.2133

Triad

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



48.2995, 73.5209, 87.2466



85.1265, 73.5209, 151.2473



80.3955, 73.5209, 31.7402

Complementary

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



48.2995, 73.5209, 87.2466



39.1786, 20.1856, 2.4063

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.



91.6211, 73.5209, 45.7719



48.2995, 73.5209, 87.2466



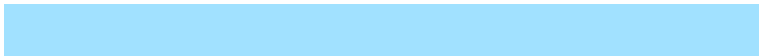
94.5759, 73.5209, 112.3449

Square

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



48.2995, 73.5209, 87.2466



72.3484, 73.5209, 171.6859



97.0855, 73.5209, 73.2638



67.4672, 73.5209, 28.7000

Rectangle

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



48.2995, 73.5209, 87.2466



57.0201, 73.5209, 152.8329



97.0855, 73.5209, 73.2638



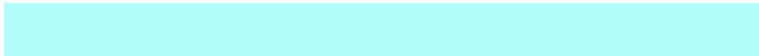
84.5398, 73.5209, 35.0641

Sweetspot

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



48.3017, 73.5237, 87.2484



71.4070, 87.9130, 103.2111



34.1824, 67.9111, 11.3083



14.7486, 18.5440, 21.9308



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.



48.3017, 73.5237, 87.2484



50.9818, 77.6087, 92.0771



27.2682, 27.1760, 93.4339



17.7085, 19.5857, 21.9313



25.8763, 39.3635, 46.8196



2.4123, 3.6520, 4.4192

Inverse Universe

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



39.1786, 20.1856, 2.4063



41.3528, 21.3051, 2.5241



43.9975, 29.9985, 3.4731



17.2955, 17.2456, 18.1460



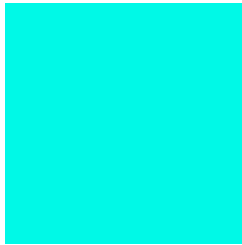
20.9888, 10.8112, 1.3835



1.9611, 1.0082, 0.2183

Previews

White Background



This preview shows how the XYZ color 48.2995, 73.5209, 87.2466 looks on a white background.

Color Contrast Check

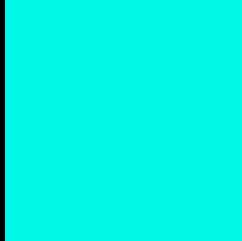
Large Text (above 18pt) WCAG AA × Fail

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 48.2995, 73.5209, 87.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

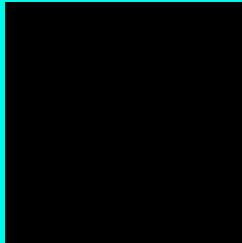
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

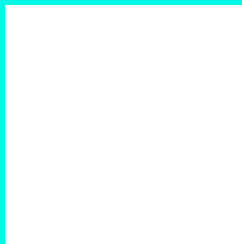
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2995, 73.5209, 87.2466

Background



This preview shows how black text looks on a background with the XYZ color 48.2995, 73.5209, 87.2466.



This preview shows how white text looks on a background with the XYZ color 48.2995, 73.5209,

Color Blindness Simulation

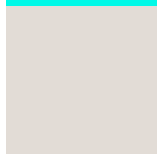
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



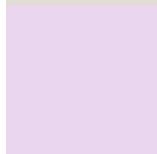
Original Color

48.2995, 73.5209, 87.2466



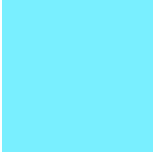
Protanopia

69.0948, 72.2102, 73.9146



Deuteranopia

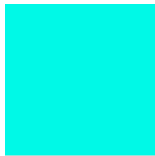
73.5582, 71.8176, 91.6466



Tritanopia

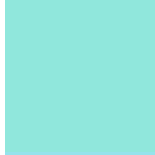
56.8017, 73.0180, 105.7079

Trichromacy



Original Color

48.2995, 73.5209, 87.2466



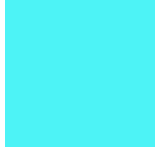
Protanomaly

52.9958, 68.2484, 78.0902



Deuteranomaly

55.0038, 67.3839, 89.4643



Tritanomaly

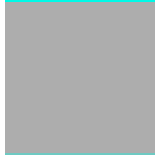
51.7457, 72.3328, 98.4231

Monochromacy



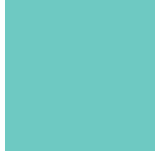
Original Color

48.2995, 73.5209, 87.2466



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.0547, 48.9833, 58.5407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2995, 73.5209, 87.2466 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, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 231)  
}
```

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, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.2995, 73.5209, 87.2466 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, 249, 231) }
```


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

```
.border{ border-color:rgb(0, 249, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2995, 73.5209, 87.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 231) }
```

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

```
.background{ background-color: rgb(0, 249,  
231) }
```

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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