

Converting Colors

XYZ(51.2991, 75.1669,
101.6667)

Have a look what the booklet for
XYZ(51.2991, 75.1669, 101.6667)
contains.

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Color

**XYZ(51.2845, 75.2108,
101.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAF9
RGB	0, 250, 249
RGB Percent	0%, 98%, 98%
CMY	0.9997, 0.0196, 0.0235
CMYK	1.00, 0.00, 0.00, 0.02
HSL	180°, 100%, 49%
HSV	180°, 100%, 98%
XYZ	51.2845, 75.2108, 101.4367
YIQ	175.1360, -148.6790, -53.3110

Conversions

Conversions Part 2

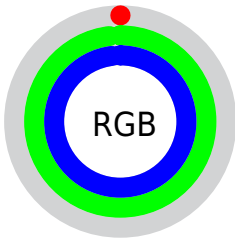
Format	Color
RYB	0, 125, 250
Decimal	64249
CIELab	89.49, -47.65, -13.45
CIELCh	89, 49.513, 195.763
Yxy	75.2108, 0.2250, 0.3300
Android (android.graphics.Color)	4278254329 (0xFF00FAF9)
YUV	175.1360, 36.4150, -153.5943
Hunter-Lab	86.7242, -46.2110, -8.6415

Details

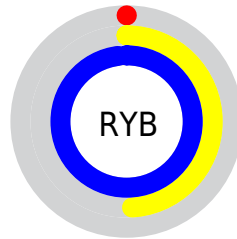
The XYZ color **51.2845, 75.2108, 101.4367** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.4323, 20.3286, 1.8763**, and the grayscale version is **40.7024, 42.8221, 46.6333**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.6956, 41.9902, 57.0446** is the 20% darker color. If you saturate the color by 10%, you get **51.2858, 75.2131, 101.4382**, and if you desaturate by 10%, it is **51.7042, 75.4270, 101.5397**.

Distribution



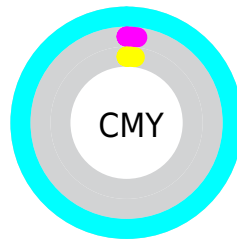
- Red (0%)
- Green (98%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (98%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2845, 75.2108, 101.4367 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 51.2845, 75.2108, 101.4367 by changing the saturation by 10% instead.


 51.2845, 75.2108,
101.4367


 51.2845, 75.2108,
101.4367


382.0376,
478.6418, 586.0751


 36.6570, 55.7856,
76.8774


 91.2557, 126.6107,
165.1992


 25.1145, 40.0311,
56.6413


 117.3301,
159.3542, 205.2395

 16.2916, 27.5628,
40.3099

 147.9508,
197.3059, 251.2771

 9.8229, 17.9963,
27.4646

 183.4833,
240.8503, 303.7307

 5.3430, 10.9473,
17.6869

224.2929,
290.3717, 363.0187

 2.4867, 6.0314,
10.5584

270.7449,

 0.8886, 2.8642,

346.2544, 429.5598

5.6603

323.2047,
408.8830, 503.7724

■ 0.0000, 1.0613,
2.5742

■ 0.0000, 0.0000,
0.8791

■ 51.2845, 75.2108,
101.4367

■ 51.2845, 75.2108,
101.4367

■ 51.2858, 75.2131,
101.4382

■ 51.7042, 75.4270,
101.5397

■ 52.6361, 75.9056,
101.6650

■ 54.2402, 76.7307,
101.8218

■ 56.6121, 77.9517,
102.0145

■ 59.8323, 79.6099,
102.2470

■ 63.9711, 81.7417,
102.5226

■ 69.0914, 84.3795,
102.8441

■ 75.2505, 87.5529,
103.2143

■ 82.5016, 91.2891,
103.6356

Harmonies

Analogous

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



51.1556, 75.2108, 66.5206



51.2845, 75.2108, 101.4367



56.4007, 75.2108, 139.7609

Triad

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



51.2845, 75.2108, 101.4367



89.5557, 75.2108, 137.9700



77.3839, 75.2108, 32.6674

Complementary

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



51.2845, 75.2108, 101.4367



39.4323, 20.3286, 1.8763

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.



89.0456, 75.2108, 42.7136



51.2845, 75.2108, 101.4367



96.5936, 75.2108, 99.4653

Square

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



51.2845, 75.2108, 101.4367



78.0189, 75.2108, 164.5908



96.3970, 75.2108, 65.0340



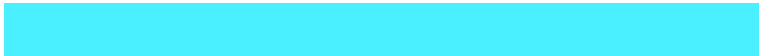
65.3276, 75.2108, 32.9178

Rectangle

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



51.2845, 75.2108, 101.4367



62.3214, 75.2108, 159.2662



96.3970, 75.2108, 65.0340



81.5069, 75.2108, 34.7933

Sweetspot

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



51.2868, 75.2136, 101.4385



72.2357, 88.2445, 107.5748



34.2402, 68.4010, 11.4001



14.9505, 18.6247, 22.9938



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.



51.2868, 75.2136, 101.4385



53.6458, 78.6743, 106.1055



25.1338, 22.6569, 93.4940



17.7627, 19.6074, 22.2169



27.2041, 39.8947, 53.8117



2.5205, 3.6953, 4.9889

Inverse Universe

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



39.4323, 20.3286, 1.8763



41.2456, 21.2622, 1.9595



46.2479, 33.9685, 4.1211



17.2475, 17.2264, 17.8931



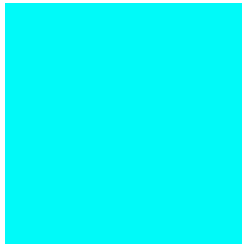
20.9161, 10.7821, 1.0005



1.9381, 0.9990, 0.0977

Previews

White Background



This preview shows how the XYZ color 51.2845, 75.2108, 101.4367 looks on a white background.

Color Contrast Check

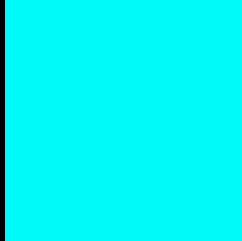
Large Text (above 18pt) WCAG AA × Fail

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 51.2845, 75.2108, 101.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

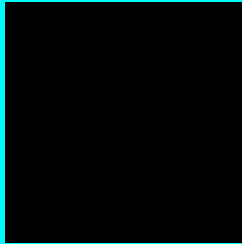
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2845, 75.2108, 101.4367

Background



This preview shows how black text looks on a background with the XYZ color 51.2845, 75.2108, 101.4367.

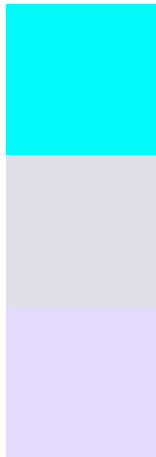


This preview shows how white text looks on a background with the XYZ color 51.2845, 75.2108,

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

51.2845, 75.2108, 101.4367

Protanopia

71.4272, 73.9160, 86.8465

Deuteranopia

75.4345, 74.0208, 104.9194



Tritanopia

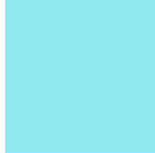
58.8830, 74.5267, 105.8894

Trichromacy



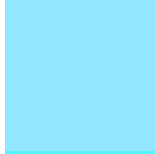
Original Color

51.2845, 75.2108, 101.4367



Protanomaly

55.6169, 69.7259, 91.4160



Deuteranomaly

57.8805, 69.7965, 103.3499



Tritanomaly

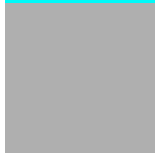
53.8266, 73.7245, 104.3218

Monochromacy



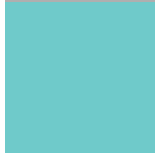
Original Color

51.2845, 75.2108, 101.4367



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.3367, 49.8848, 63.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2845, 75.2108, 101.4367 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 249) }
```

Border

The CSS property to change the border of an element to XYZ 51.2845, 75.2108, 101.4367 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, 249) }
```


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

```
.border{ border-color:rgb(0, 250, 249) }
```

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, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2845, 75.2108, 101.4367 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, 249) }
```

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

```
.background{ background-color: rgb(0, 250,  
249) }
```

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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