

Converting Colors

XYZ(50.8719, 75.0627, 98.9346)

Have a look what the booklet for
XYZ(50.8719, 75.0627, 98.9346)
contains.

XYZ(50.8827, 75.0573, 98.9945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.8827, 75.0573,
98.9945)**

Conversions

Conversions Part 1

Format	Color
Hex	05FAF6
RGB	5, 250, 246
RGB Percent	2%, 98%, 96%
CMY	0.9801, 0.0196, 0.0353
CMYK	0.98, 0.00, 0.02, 0.02
HSL	179°, 96%, 50%
HSV	179°, 98%, 98%
XYZ	50.8827, 75.0573, 98.9945
YIQ	176.2890, -144.7360, -53.1840

Conversions

Conversions Part 2

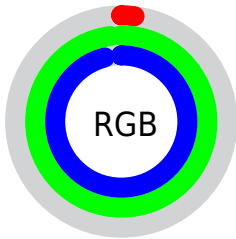
Format	Color
R _Y B	5, 129, 250
Decimal	391926
CIE Lab	89.42, -48.41, -11.99
CIE LCh	89, 49.871, 193.916
Yxy	75.0573, 0.2262, 0.3337
Android (android.graphics.Color)	4278582006 (0xFF05FAF6)
YUV	176.2890, 34.3675, -150.2205
Hunter-Lab	86.6356, -46.7760, -7.1030

Details

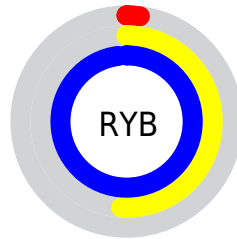
The XYZ color **50.8827, 75.0573, 98.9945** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5303, 20.4545, 2.1250**, and the grayscale version is **41.3090, 43.4603, 47.3282**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.3642, 41.8576, 55.2996** is the 20% darker color. If you saturate the color by 10%, you get **50.8089, 75.0223, 98.9264**, and if you desaturate by 10%, it is **51.4217, 75.3295, 99.3491**.

Distribution



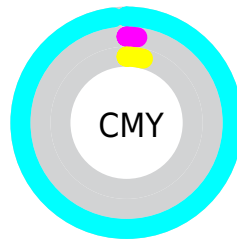
- Red (2%)
- Green (98%)
- Blue (96%)



- Red (2%)
- Yellow (51%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8827, 75.0573, 98.9945 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 50.8827, 75.0573, 98.9945 by changing the saturation by 10% instead.


 50.8827, 75.0573,
98.9945


 50.8827, 75.0573,
98.9945


380.5031,
478.1145, 578.1832


 36.3359, 55.6598,
74.8489


 90.6654, 126.3935,
161.8145

 24.8651, 39.9303,
54.9881


 116.6320,
159.1010, 201.3260

 16.1047, 27.4842,
38.9937

 147.1360,
197.0139, 246.7965

 9.6896, 17.9372,
26.4470


 182.5426,
240.5167, 298.6445

 5.2543, 10.9049,
16.9296

223.2173,
289.9938, 357.2887

 2.4335, 6.0029,
10.0229

269.5253,

 0.8619, 2.8469,

345.8295, 423.1475

5.3083

321.8321,
408.4083, 496.6395

■ 0.0000, 1.0523,
2.3674

■ 0.0000, 0.0000,
0.7686

■ 50.8827, 75.0573,
98.9945

■ 50.8827, 75.0573,
98.9945

■ 50.8089, 75.0223,
98.9264

■ 51.4217, 75.3295,
99.3491

■ 52.5264, 75.8918,
99.7292

■ 54.3242, 76.8113,
100.1424

■ 56.9070, 78.1355,
100.5932

■ 60.3530, 79.9046,
101.0850

■ 64.7308, 82.1541,
101.6211

■ 70.1021, 84.9158,
102.2045

■ 76.5233, 88.2187,
102.8378

■ 84.0467, 92.0897,
103.5233

Harmonies

Analogous

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



51.0665, 75.0573, 64.4684



50.8827, 75.0573, 98.9945



55.7217, 75.0573, 137.8272

Triad

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



50.8827, 75.0573, 98.9945



88.9035, 75.0573, 140.3926



78.0471, 75.0573, 32.6304

Complementary

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



50.8827, 75.0573, 98.9945



39.5303, 20.4545, 2.1250

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.



89.6332, 75.0573, 43.3817



50.8827, 75.0573, 98.9945



96.3731, 75.0573, 101.8142

Square

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



50.8827, 75.0573, 98.9945



77.1393, 75.0573, 165.9551



96.6544, 75.0573, 66.5900



65.8384, 75.0573, 32.2746

Rectangle

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



50.8827, 75.0573, 98.9945



61.5023, 75.0573, 158.2567



96.6544, 75.0573, 66.5900



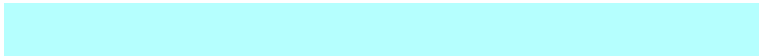
82.1739, 75.0573, 34.9716

Sweetspot

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



50.8850, 75.0601, 98.9963



72.6838, 88.4922, 106.8411



34.3290, 68.4436, 11.5471



15.0262, 18.6679, 22.8118



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.



50.8850, 75.0601, 98.9963



53.1464, 78.4746, 103.4754



25.5187, 23.3338, 93.6044



17.7529, 19.6034, 22.1652



26.9554, 39.7952, 52.5017



2.5004, 3.6872, 4.8827

Inverse Universe

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



39.5303, 20.4545, 2.1250



41.2628, 21.2691, 2.0502



46.5926, 34.6141, 4.3709



17.2561, 17.2298, 17.9386



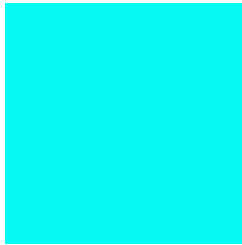
20.9288, 10.7872, 1.0676



1.9423, 1.0007, 0.1195

Previews

White Background



This preview shows how the XYZ color 50.8827, 75.0573, 98.9945 looks on a white background.

Color Contrast Check

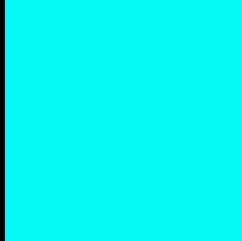
Large Text (above 18pt) WCAG AA × Fail

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 50.8827, 75.0573, 98.9945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

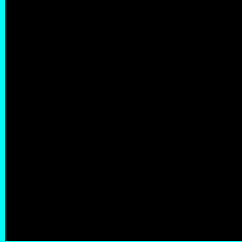
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

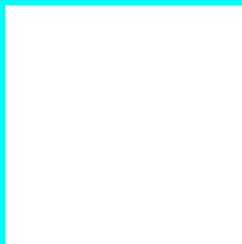
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8827, 75.0573, 98.9945

Background



This preview shows how black text looks on a background with the XYZ color 50.8827, 75.0573, 98.9945.



This preview shows how white text looks on a background with the XYZ color 50.8827, 75.0573,

Color Blindness Simulation

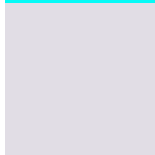
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



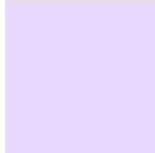
Original Color

50.8827, 75.0573, 98.9945



Protanopia

71.0506, 73.3776, 84.5473



Deuteranopia

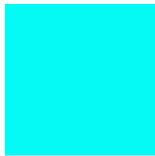
75.1756, 73.5406, 103.1611



Tritanopia

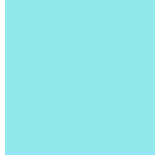
58.7258, 74.4457, 105.8820

Trichromacy



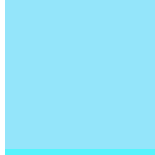
Original Color

50.8827, 75.0573, 98.9945



Protanomaly

55.5291, 69.7311, 89.1300



Deuteranomaly

57.4874, 69.2367, 100.7766



Tritanomaly

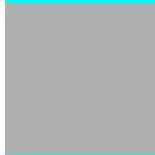
53.7591, 73.7081, 103.4891

Monochromacy



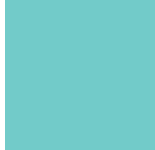
Original Color

50.8827, 75.0573, 98.9945



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.8380, 50.5063, 62.9601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8827, 75.0573, 98.9945 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(5, 250, 246)` looks like.

```
.text, #text, p{  
    color:rgb(5, 250, 246)  
}
```

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(5, 250, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 250, 246) }
```

Border

The CSS property to change the border of an element to XYZ 50.8827, 75.0573, 98.9945 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(5, 250, 246) }
```


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

```
.border{ border-color:rgb(5, 250, 246) }
```

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

Here you see how a box with a 4 pixel rgb(5, 250, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 250, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 250, 246);  
box-shadow:4px 4px 4px 4px rgb(5, 250,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8827, 75.0573, 98.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 250, 246) }
```

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

```
.background{ background-color: rgb(5, 250,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor