

Converting Colors

XYZ(51.1487, 77.7832, 88.0894)

Have a look what the booklet for
XYZ(51.1487, 77.7832, 88.0894)
contains.

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Color

**XYZ(51.0983, 77.7609,
87.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	29FFE7
RGB	41, 255, 231
RGB Percent	16%, 100%, 91%
CMY	0.8391, 0.0000, 0.0941
CMYK	0.84, 0.00, 0.09, 0.00
HSL	173°, 100%, 58%
HSV	173°, 84%, 100%
XYZ	51.0983, 77.7609, 87.9175
YIQ	188.2780, -119.8400, -52.8320

Conversions

Conversions Part 2

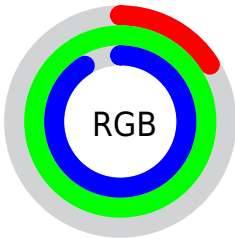
Format	Color
RYB	41, 154, 255
Decimal	2752487
CIELab	90.67, -53.23, -2.32
CIELCh	91, 53.277, 182.499
Yxy	77.7609, 0.2357, 0.3587
Android (android.graphics.Color)	4280942567 (0xFF29FFE7)
YUV	188.2780, 21.0619, -129.1628
Hunter-Lab	88.1821, -50.8846, 2.6154

Details

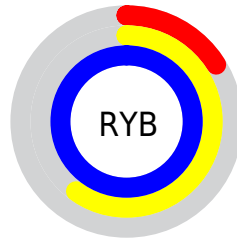
The XYZ color **51.0983, 77.7609, 87.9175** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.9884, 23.2292, 7.2219**, and the grayscale version is **47.8940, 50.3882, 54.8727**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **27.8027, 43.0671, 47.9217** is the 20% darker color. If you saturate the color by 10%, you get **49.9889, 77.2353, 85.7754**, and if you desaturate by 10%, it is **52.8735, 78.6290, 90.1280**.

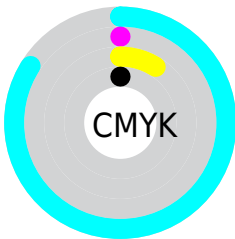
Distribution



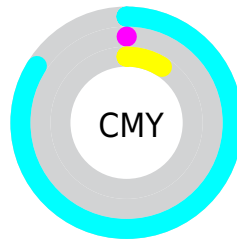
- Red (16%)
- Green (100%)
- Blue (91%)



- Red (16%)
- Yellow (60%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0983, 77.7609, 87.9175 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 51.0983, 77.7609, 87.9175 by changing the saturation by 10% instead.


 51.0983, 77.7609,
87.9175


 51.0983, 77.7609,
87.9175


381.3270,
487.3544, 541.6273


 36.5082, 57.8776,
65.6908


 90.9822, 130.2130,
146.3524

 24.9989, 41.7102,
47.5665


 117.0067,
163.5506, 183.3977

 16.2049, 28.8745,
33.1262


 147.5734,
202.1417, 226.2196

 9.7611, 18.9859,
21.9512

 183.0476,
246.3708, 275.2367

 5.3019, 11.6601,
13.6231

223.7947,
296.6222, 330.8675

 2.4620, 6.5127,
7.7233

270.1801,

 0.8761, 3.1592,

353.2804, 393.5305

3.8332

322.5690,
416.7296, 463.6442

■ 0.0000, 1.2154,
1.5343

■ 0.0000, 0.0742,
0.2433

■ 51.0983, 77.7609,
87.9175

■ 51.0983, 77.7609,
87.9175

■ 49.9889, 77.2353,
85.7754

■ 52.8735, 78.6290,
90.1280

■ 49.5426, 77.0330,
84.4983

■ 55.4212, 79.8946,
92.4079

■ 58.8324, 81.6045,
94.7630

■ 63.1847, 83.7989,
97.1970

68.5471, 86.5131,
99.7134

74.9818, 89.7794,
102.3152

82.5463, 93.6274,
105.0054

91.2939, 98.0844,
107.7864

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.3823, 77.7609, 55.0338



51.0983, 77.7609, 87.9175



54.2892, 77.7609, 130.6747

Triad

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



51.0983, 77.7609, 87.9175



88.5907, 77.7609, 163.1230



86.4192, 77.7609, 34.7358

Complementary

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



51.0983, 77.7609, 87.9175



42.9884, 23.2292, 7.2219

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.



97.7649, 77.7609, 50.9684



51.0983, 77.7609, 87.9175



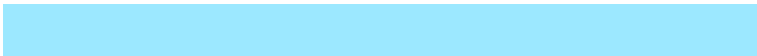
99.1210, 77.7609, 123.3927

Square

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



51.0983, 77.7609, 87.9175



75.0354, 77.7609, 181.5059



102.6632, 77.7609, 81.5004



72.7948, 77.7609, 30.3798

Rectangle

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



51.0983, 77.7609, 87.9175



59.3460, 77.7609, 157.4864



102.6632, 77.7609, 81.5004



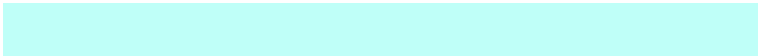
90.6794, 77.7609, 38.6814

Sweetspot

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



51.0994, 77.7615, 87.9190



74.2288, 89.3968, 102.0283



38.4064, 72.8380, 14.1347



15.3863, 18.8798, 21.6412



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.



51.0994, 77.7615, 87.9190



49.5426, 77.0330, 84.4983



33.9040, 37.5693, 100.0724



18.4619, 20.4443, 22.7355



25.9223, 40.2655, 44.3373



2.5479, 3.9301, 4.4431

Inverse Universe

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



42.9884, 23.2292, 7.2219



41.4568, 21.3467, 3.0719



48.7293, 35.5977, 6.4025



18.0922, 18.0202, 19.1026



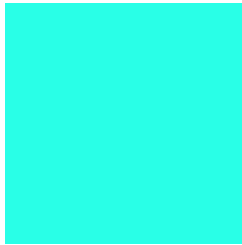
21.6883, 11.1646, 1.7434



2.1373, 1.0973, 0.3045

Previews

White Background



This preview shows how the XYZ color 51.0983, 77.7609, 87.9175 looks on a white background.

Color Contrast Check

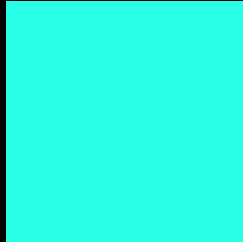
Large Text (above 18pt) WCAG AA × Fail

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 51.0983, 77.7609, 87.9175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

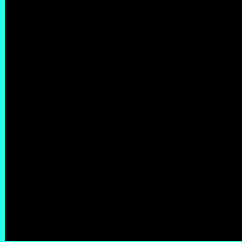
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

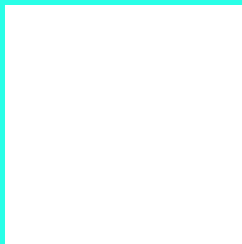
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0983, 77.7609, 87.9175

Background



This preview shows how black text looks on a background with the XYZ color 51.0983, 77.7609, 87.9175.



This preview shows how white text looks on a background with the XYZ color 51.0983, 77.7609,

Color Blindness Simulation

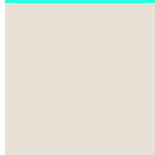
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



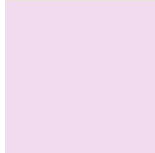
Original Color

51.0983, 77.7609, 87.9175



Protanopia

72.6671, 76.0291, 74.4634



Deuteranopia

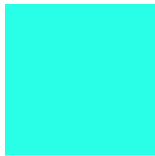
77.5295, 75.7723, 92.2006



Tritanopia

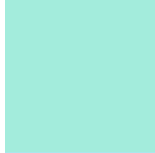
62.4542, 76.8060, 106.1411

Trichromacy



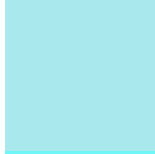
Original Color

51.0983, 77.7609, 87.9175



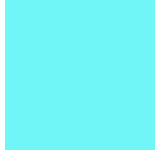
Protanomaly

58.0180, 72.9447, 78.7320



Deuteranomaly

60.3591, 72.2044, 90.1125



Tritanomaly

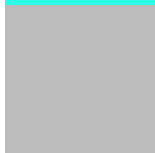
56.2724, 76.0101, 98.8943

Monochromacy



Original Color

51.0983, 77.7609, 87.9175



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.4342, 56.5975, 65.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0983, 77.7609, 87.9175 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(41, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 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(41, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 51.0983, 77.7609, 87.9175 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(41, 255, 231) }
```


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

```
.border{ border-color:rgb(41, 255, 231) }
```

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

Here you see how a box with a 4 pixel rgb(41, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0983, 77.7609, 87.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 231) }
```

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

```
.background{ background-color: rgb(41, 255,  
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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