

Converting Colors

XYZ(51.3686, 75.6538, 81.2916)

Have a look what the booklet for
XYZ(51.3686, 75.6538, 81.2916)
contains.

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Color

**XYZ(51.3009, 75.6714,
81.0094)**

Conversions

Conversions Part 1

Format	Color
Hex	57FADE
RGB	87, 250, 222
RGB Percent	34%, 98%, 87%
CMY	0.6588, 0.0196, 0.1294
CMYK	0.65, 0.00, 0.11, 0.02
HSL	170°, 94%, 66%
HSV	170°, 65%, 98%
XYZ	51.3009, 75.6714, 81.0094
YIQ	198.0710, -88.1600, -43.2640

Conversions

Conversions Part 2

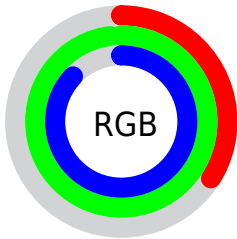
Format	Color
RYB	87, 176, 250
Decimal	5765854
CIELab	89.71, -48.53, 1.03
CIELCh	90, 48.545, 178.789
Yxy	75.6714, 0.2467, 0.3638
Android (android.graphics.Color)	4283955934 (0xFF57FADE)
YUV	198.0710, 11.7970, -97.4093
Hunter-Lab	86.9893, -46.9631, 5.6783

Details

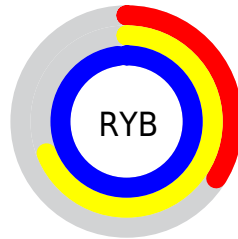
The XYZ color **51.3009, 75.6714, 81.0094** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **45.9296, 28.3803, 19.2796**, and the grayscale version is **53.6908, 56.4869, 61.5143**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **26.0450, 40.9299, 43.0868** is the 20% darker color. If you saturate the color by 10%, you get **48.7904, 74.4447, 77.9265**, and if you desaturate by 10%, it is **54.6381, 77.3263, 84.2109**.

Distribution



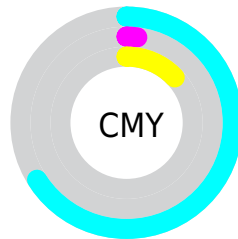
- Red (34%)
- Green (98%)
- Blue (87%)



- Red (34%)
- Yellow (69%)
- Blue (98%)



- Cyan (65%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)





- Cyan (66%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3009, 75.6714, 81.0094 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 51.3009, 75.6714, 81.0094 by changing the saturation by 10% instead.


 51.3009, 75.6714,
81.0094


 51.3009, 75.6714,
81.0094


382.1001,
480.2221, 518.1243


 36.6702, 56.1631,
60.0183


 91.2797, 127.2623,
136.6082


 25.1247, 40.3337,
43.0080


 117.3585,
160.1137, 172.0529

 16.2992, 27.7988,
29.5599


 147.9841,
198.1816, 213.1526

 9.8283, 18.1741,
19.2556

 183.5217,
241.8503, 260.3258

 5.3467, 11.0750,
11.6764

224.3368,
291.5044, 313.9910

 2.4889, 6.1173,
6.4039

270.7946,

 0.8897, 2.9166,

347.5281, 374.5668

3.0195

323.2606,
410.3059, 442.4717

0.0000, 1.0883,
1.1046

0.0000, 0.0000,
0.0000

51.3009, 75.6714,
81.0094

51.3009, 75.6714,
81.0094

48.7904, 74.4447,
77.9265

54.6381, 77.3263,
84.2109

47.0126, 73.5922,
74.9521


58.8709, 79.4392,
87.5298


45.8617, 73.0612,
72.0826


64.0679, 82.0476,
90.9715


45.4560, 72.8814,
70.7381

70.2893, 85.1824,
94.5394

 77.5906, 88.8720,
98.2365

 86.0229, 93.1430,
102.0658

 93.0081, 96.6662,
105.9072

 93.4769, 96.8537,
108.3756

Harmonies

Analogous

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



53.9990, 75.6714, 52.7685



51.3009, 75.6714, 81.0094



53.5986, 75.6714, 118.3410

Triad

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



51.3009, 75.6714, 81.0094



83.5722, 75.6714, 154.6120



84.5059, 75.6714, 37.9376

Complementary

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



51.3009, 75.6714, 81.0094



45.9296, 28.3803, 19.2796

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.



94.0107, 75.6714, 54.5798



51.3009, 75.6714, 81.0094



93.4310, 75.6714, 121.4362

Square

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



51.3009, 75.6714, 81.0094



71.4385, 75.6714, 167.3020



97.4423, 75.6714, 83.7929



72.4104, 75.6714, 32.5423

Rectangle

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



51.3009, 75.6714, 81.0094



57.8157, 75.6714, 142.5102



97.4423, 75.6714, 83.7929



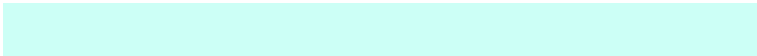
88.1574, 75.6714, 42.1256

Sweetspot

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



51.3031, 75.6743, 81.0112



77.3330, 91.0258, 100.8746



43.2288, 72.8362, 20.7987



16.1012, 19.2553, 21.3594



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.



51.3031, 75.6743, 81.0112



50.4250, 77.5750, 80.6036



41.4701, 49.4949, 97.8136



17.6303, 19.5544, 21.5196



24.1578, 38.6761, 37.7699



2.2701, 3.5951, 3.6701

Inverse Universe

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



45.9296, 28.3803, 19.2796



44.5160, 24.8408, 12.1818



50.3245, 39.3691, 13.9649



17.3663, 17.2739, 18.5186



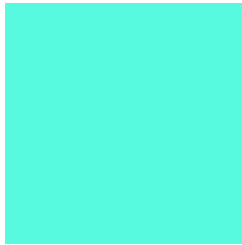
21.1783, 10.8871, 2.3817



1.9944, 1.0215, 0.3941

Previews

White Background



This preview shows how the XYZ color 51.3009, 75.6714, 81.0094 looks on a white background.

Color Contrast Check

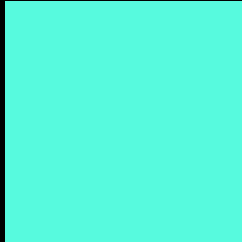
Large Text (above 18pt) WCAG AA × Fail

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 51.3009, 75.6714, 81.0094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

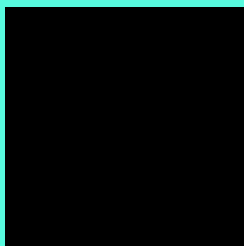
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

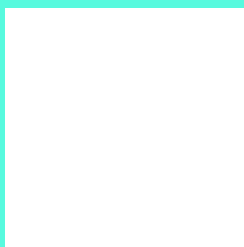
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3009, 75.6714, 81.0094

Background



This preview shows how black text looks on a background with the XYZ color 51.3009, 75.6714, 81.0094.

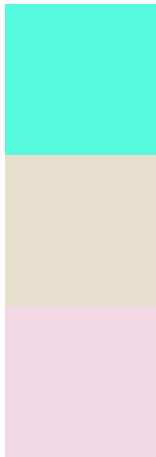


This preview shows how white text looks on a background with the XYZ color 51.3009, 75.6714,

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

51.3009, 75.6714, 81.0094

Protanopia

70.9289, 74.4362, 69.6607

Deuteranopia

75.9179, 74.3375, 84.4760



Tritanopia

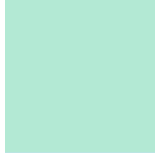
60.4181, 74.8823, 105.8771

Trichromacy



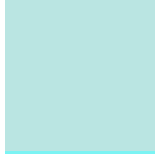
Original Color

51.3009, 75.6714, 81.0094



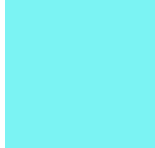
Protanomaly

59.6130, 72.6150, 73.1615



Deuteranomaly

61.9965, 71.9687, 82.5753



Tritanomaly

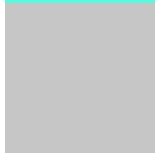
56.3966, 74.7832, 96.2562

Monochromacy



Original Color

51.3009, 75.6714, 81.0094



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.1759, 61.3998, 68.2383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3009, 75.6714, 81.0094 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(87, 250, 222)` looks like.

```
.text, #text, p{  
    color:rgb(87, 250, 222)  
}
```

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(87, 250, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 250, 222) }
```

Border

The CSS property to change the border of an element to XYZ 51.3009, 75.6714, 81.0094 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(87, 250, 222) }
```


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

```
.border{ border-color:rgb(87, 250, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 250, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 250, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 250, 222);  
box-shadow:4px 4px 4px 4px rgb(87, 250,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3009, 75.6714, 81.0094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 250, 222) }
```

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

```
.background{ background-color: rgb(87, 250,  
222) }
```

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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