

Converting Colors

XYZ(51.3291, 78.5225, 58.8966)

Have a look what the booklet for
XYZ(51.3291, 78.5225, 58.8966)
contains.

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Color

**XYZ(51.3050, 78.5099,
58.9042)**

Conversions

Conversions Part 1

Format	Color
Hex	70FFBA
RGB	112, 255, 186
RGB Percent	44%, 100%, 73%
CMY	0.5608, 0.0000, 0.2706
CMYK	0.56, 0.00, 0.27, 0.00
HSL	151°, 100%, 72%
HSV	151°, 56%, 100%
XYZ	51.3050, 78.5099, 58.9042
YIQ	204.3770, -63.0790, -51.7750

Conversions

Conversions Part 2

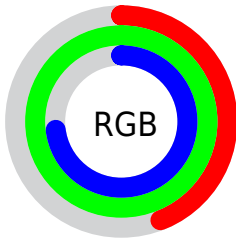
Format	Color
RYB	112, 206, 255
Decimal	7405498
CIELab	91.01, -54.15, 21.54
CIElCh	91, 58.277, 158.309
Yxy	78.5099, 0.2719, 0.4160
Android (android.graphics.Color)	4285595578 (0xFF70FFBA)
YUV	204.3770, -9.0599, -81.0146
Hunter-Lab	88.6058, -51.7042, 22.6087

Details

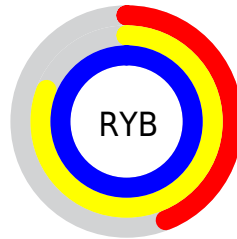
The XYZ color **51.3050, 78.5099, 58.9042** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.3751, 36.1853, 47.7825**, and the grayscale version is **57.7173, 60.7231, 66.1274**.

A 20% lighter version of the original color is **69.0206, 86.8150, 97.1236**, and **25.0750, 42.0771, 28.9904** is the 20% darker color. If you saturate the color by 10%, you get **47.2548, 76.5666, 52.1786**, and if you desaturate by 10%, it is **56.3876, 80.9724, 66.2688**.

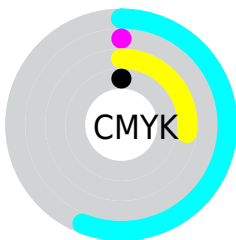
Distribution



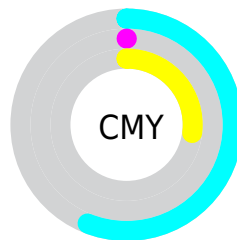
- Red (44%)
- Green (100%)
- Blue (73%)



- Red (44%)
- Yellow (81%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3050, 78.5099, 58.9042 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 51.3050, 78.5099, 58.9042 by changing the saturation by 10% instead.


 51.3050, 78.5099,
58.9042


 51.3050, 78.5099,
58.9042


382.1158,
489.8968, 438.2388


 36.6734, 58.4929,
42.1165


 91.2858, 131.2687,
104.7662

 25.1273, 42.2051,
28.8663


 117.3657,
164.7793, 134.6775

 16.3011, 29.2619,
18.7350


 147.9924,
203.5565, 169.8005

 9.8297, 19.2790,
11.3041

183.5313,
247.9849, 210.5537

 5.3476, 11.8721,
6.1550

224.3477,
298.4487, 257.3555

 2.4894, 6.6566,
2.8692

270.8071,

 0.8899, 3.2483,

355.3323, 310.6246

1.0283

323.2746,
419.0202, 370.7795

■ 0.0000, 1.2627,
0.0000

■ 0.0000, 0.1120,
0.0000

■ 51.3050, 78.5099,
58.9042

■ 51.3050, 78.5099,
58.9042

■ 47.2548, 76.5666,
52.1786

■ 56.3876, 80.9724,
66.2688

■ 44.1525, 75.0993,
46.0693

■ 62.5740, 83.9905,
74.2860

■ 41.9023, 74.0590,
40.5578

■ 69.9310, 87.5985,
82.9740

■ 40.3852, 73.3846,
35.6226

■ 78.5195, 91.8274,
92.3489

■ 39.9221, 73.1848,
33.8372

■ 88.3960, 96.7061,
102.4263

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.



58.4256, 78.5099, 36.3749



51.3050, 78.5099, 58.9042



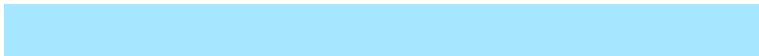
49.9875, 78.5099, 97.7317

Triad

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



51.3050, 78.5099, 58.9042



78.7836, 78.5099, 193.2967



99.0879, 78.5099, 44.4608

Complementary

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



51.3050, 78.5099, 58.9042



55.3751, 36.1853, 47.7825

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.



106.2527, 78.5099, 74.3047



51.3050, 78.5099, 58.9042



93.5633, 78.5099, 166.0999

Square

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



51.3050, 78.5099, 58.9042



64.6481, 78.5099, 185.0014



104.1082, 78.5099, 119.0540



85.5709, 78.5099, 30.1465

Rectangle

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



51.3050, 78.5099, 58.9042



52.3874, 78.5099, 129.9381



104.1082, 78.5099, 119.0540



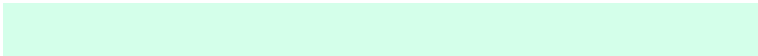
102.3949, 78.5099, 52.5374

Sweetspot

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



51.3057, 78.5102, 58.9055



77.6738, 91.4104, 91.4546



57.7686, 82.5280, 28.2149



16.2394, 19.3753, 19.1627



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.



51.3057, 78.5102, 58.9055



46.9302, 76.4120, 51.5892



59.7369, 80.6738, 107.0309



18.1641, 20.3252, 21.1670



20.9360, 38.2710, 18.0803



2.0937, 3.7484, 2.0513

Inverse Universe

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



55.3751, 36.1853, 47.7825



51.3589, 30.3987, 39.5201



50.2258, 34.5519, 19.3522



18.3745, 18.1331, 20.5893



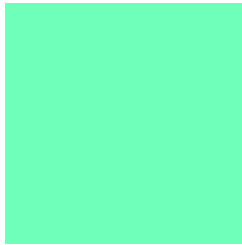
23.4928, 11.8864, 11.2457



2.3423, 1.1793, 1.3840

Previews

White Background



This preview shows how the XYZ color 51.3050, 78.5099, 58.9042 looks on a white background.

Color Contrast Check

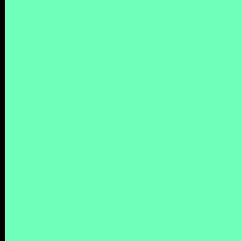
Large Text (above 18pt) WCAG AA × Fail

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 51.3050, 78.5099, 58.9042 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 51.3050, 78.5099, 58.9042

Background



This preview shows how black text looks on a background with the XYZ color 51.3050, 78.5099, 58.9042.

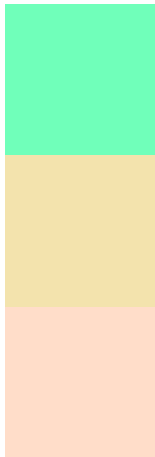


This preview shows how white text looks on a background with the XYZ color 51.3050, 78.5099,

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

51.3050, 78.5099, 58.9042

Protanopia

71.9741, 77.0100, 50.6061

Deuteranopia

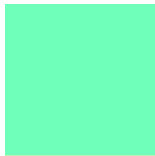
77.6391, 77.1899, 66.0655



Tritanopia

65.1464, 77.7557, 106.1825

Trichromacy



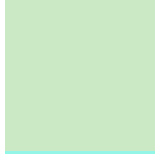
Original Color

51.3050, 78.5099, 58.9042



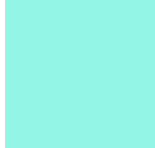
Protanomaly

60.8257, 75.3848, 53.4644



Deuteranomaly

63.7313, 74.9599, 63.3343



Tritanomaly

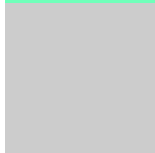
58.9680, 77.2210, 86.6601

Monochromacy



Original Color

51.3050, 78.5099, 58.9042



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.2603, 65.4645, 62.6521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3050, 78.5099, 58.9042 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(112, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 186)  
}
```

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(112, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 51.3050, 78.5099, 58.9042 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(112, 255, 186) }
```


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

```
.border{ border-color:rgb(112, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3050, 78.5099, 58.9042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 186) }
```

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

```
.background{ background-color: rgb(112,  
255, 186) }
```

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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