

Converting Colors

XYZ(51.8659, 78.8021, 58.7924)

Have a look what the booklet for
XYZ(51.8659, 78.8021, 58.7924)
contains.

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Color

**XYZ(51.9590, 78.8471,
58.9349)**

Conversions

Conversions Part 1

Format	Color
Hex	75FFBA
RGB	117, 255, 186
RGB Percent	46%, 100%, 73%
CMY	0.5412, 0.0000, 0.2706
CMYK	0.54, 0.00, 0.27, 0.00
HSL	150°, 100%, 73%
HSV	150°, 54%, 100%
XYZ	51.9590, 78.8471, 58.9349
YIQ	205.8720, -60.0990, -50.7150

Conversions

Conversions Part 2

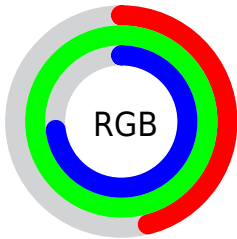
Format	Color
RYB	117, 209, 255
Decimal	7733178
CIELab	91.17, -53.09, 21.77
CIELCh	91, 57.379, 157.698
Yxy	78.8471, 0.2738, 0.4156
Android (android.graphics.Color)	4285923258 (0xFF75FFBA)
YUV	205.8720, -9.7969, -77.9407
Hunter-Lab	88.7959, -50.9434, 22.8056

Details

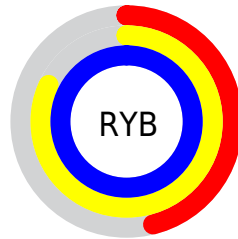
The XYZ color **51.9590, 78.8471, 58.9349** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **56.4645, 37.5283, 50.7221**, and the grayscale version is **58.6725, 61.7281, 67.2219**.

A 20% lighter version of the original color is **69.9185, 87.2779, 97.1656**, and **25.4665, 42.2789, 29.0087** is the 20% darker color. If you saturate the color by 10%, you get **47.6914, 76.7967, 51.9731**, and if you desaturate by 10%, it is **57.2818, 81.4273, 66.5801**.

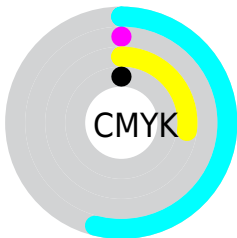
Distribution



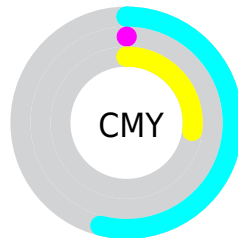
- Red (46%)
- Green (100%)
- Blue (73%)



- Red (46%)
- Yellow (82%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9590, 78.8471, 58.9349 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 51.9590, 78.8471, 58.9349 by changing the saturation by 10% instead.


 51.9590, 78.8471,
58.9349


 51.9590, 78.8471,
58.9349


384.6049,
491.0389, 438.3558


 37.1965, 58.7701,
42.1410


 92.2454, 131.7436,
104.8112

 25.5341, 42.4281,
28.8854


 118.5000,
165.3319, 134.7308

 16.6062, 29.4366,
18.7493

 149.3160,
204.1927, 169.8627

 10.0477, 19.4114,
11.3143

185.0588,
248.7105, 210.6254

 5.4931, 11.9679,
6.1618

226.0937,
299.2696, 257.4376

 2.5771, 6.7218,
2.8733

272.7861,

 0.9343, 3.2887,

356.2544, 310.7176

1.0303

325.5014,
420.0494, 370.8842

■ 0.0000, 1.2843,
0.0000

■ 0.0000, 0.1290,
0.0000

■ 51.9590, 78.8471,
58.9349

■ 51.9590, 78.8471,
58.9349

■ 47.6914, 76.7967,
51.9731

■ 57.2818, 81.4273,
66.5801

■ 44.3962, 75.2340,
45.6705

■ 63.7299, 84.5735,
74.9239

■ 41.9805, 74.1116,
40.0070

■ 71.3694, 88.3191,
83.9859

■ 40.3304, 73.3709,
34.9593

■ 80.2604, 92.6950,
93.7837

■ 39.6236, 73.0654,
32.2654

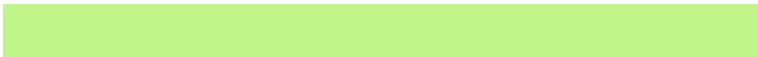
■ 90.4592, 97.7296,
104.3342

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.



59.1284, 78.8471, 36.8419



51.9590, 78.8471, 58.9349



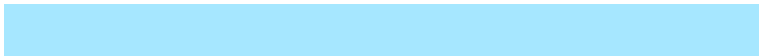
50.5329, 78.8471, 97.0166

Triad

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



51.9590, 78.8471, 58.9349



78.7453, 78.8471, 192.0085



99.2826, 78.8471, 45.6417

Complementary

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



51.9590, 78.8471, 58.9349



56.4645, 37.5283, 50.7221

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.



106.1646, 78.8471, 75.5769



51.9590, 78.8471, 58.9349



93.3496, 78.8471, 165.9617

Square

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



51.9590, 78.8471, 58.9349



64.8353, 78.8471, 183.1487



103.8637, 78.8471, 119.9214



86.0476, 78.8471, 31.0765

Rectangle

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



51.9590, 78.8471, 58.9349



52.8343, 78.8471, 128.6524



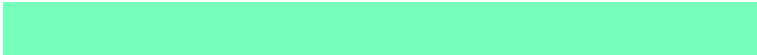
103.8637, 78.8471, 119.9214



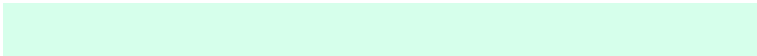
102.4887, 78.8471, 53.7824

Sweetspot

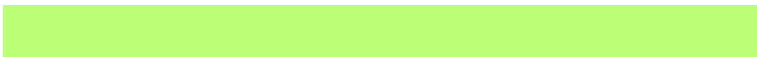
The Sweet Spot groups the original color and five complimentary colors.



51.9596, 78.8473, 58.9362



78.4877, 91.8213, 91.8814



59.2210, 83.2437, 29.7767



16.3961, 19.4548, 19.2279



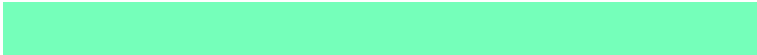
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.9596, 78.8473, 58.9362



47.3624, 76.6397, 51.3901



61.1464, 82.5221, 107.3133



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2562



2.0784, 3.7423, 1.9704

Inverse Universe

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



56.4645, 37.5283, 50.7221



52.2915, 31.4297, 42.4025



50.8126, 35.2676, 20.9596



18.3882, 18.1386, 20.6613



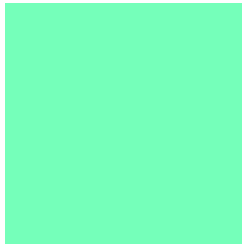
23.6428, 11.9464, 12.0354



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 51.9590, 78.8471, 58.9349 looks on a white background.

Color Contrast Check

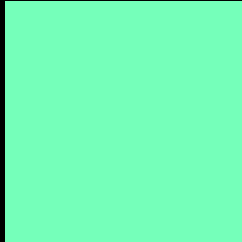
Large Text (above 18pt) WCAG AA × Fail

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 51.9590, 78.8471, 58.9349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

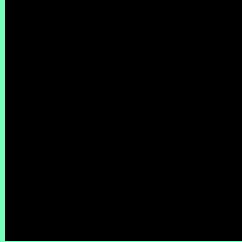
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9590, 78.8471, 58.9349

Background



This preview shows how black text looks on a background with the XYZ color 51.9590, 78.8471, 58.9349.



This preview shows how white text looks on a background with the XYZ color 51.9590, 78.8471,

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

51.9590, 78.8471, 58.9349

Protanopia

72.5945, 77.7370, 50.7138

Deuteranopia

77.7571, 77.2372, 66.6871



Tritanopia

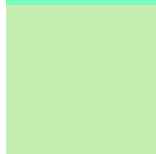
65.7877, 78.0862, 106.2125

Trichromacy



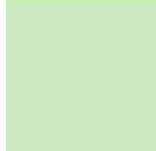
Original Color

51.9590, 78.8471, 58.9349



Protanomaly

61.8991, 76.3692, 53.5978



Deuteranomaly

64.2796, 75.2425, 63.3599



Tritanomaly

59.6978, 77.5973, 86.6943

Monochromacy



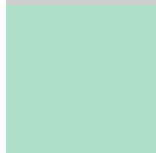
Original Color

51.9590, 78.8471, 58.9349



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.4200, 66.4335, 63.9875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9590, 78.8471, 58.9349 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(117, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 51.9590, 78.8471, 58.9349 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(117, 255, 186) }
```


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

```
.border{ border-color:rgb(117, 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(117, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 186); box-shadow:4px 4px 4px 4px rgb(117, 255, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9590, 78.8471, 58.9349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 186) }
```

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

```
.background{ background-color: rgb(117,  
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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