

Converting Colors

XYZ(51.2026, 78.4397, 59.6868)

Have a look what the booklet for
XYZ(51.2026, 78.4397, 59.6868)
contains.

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Color

**XYZ(51.1600, 78.4229,
59.4544)**

Conversions

Conversions Part 1

Format	Color
Hex	6EFFBB
RGB	110, 255, 187
RGB Percent	43%, 100%, 73%
CMY	0.5686, 0.0000, 0.2667
CMYK	0.57, 0.00, 0.27, 0.00
HSL	152°, 100%, 72%
HSV	152°, 57%, 100%
XYZ	51.1600, 78.4229, 59.4544
YIQ	203.8930, -64.5920, -51.8880

Conversions

Conversions Part 2

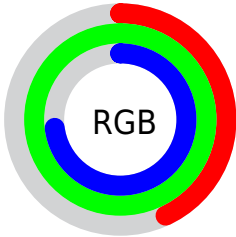
Format	Color
RYB	110, 205, 255
Decimal	7274427
CIELab	90.97, -54.36, 20.97
CIElCh	91, 58.266, 158.911
Yxy	78.4229, 0.2706, 0.4149
Android (android.graphics.Color)	4285464507 (0xFF6EFFBB)
YUV	203.8930, -8.3282, -82.3442
Hunter-Lab	88.5567, -51.8532, 22.1841

Details

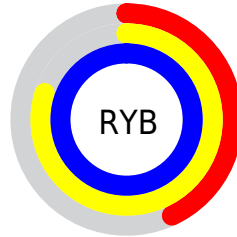
The XYZ color **51.1600, 78.4229, 59.4544** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.8521, 35.6268, 46.1053**, and the grayscale version is **57.4071, 60.3967, 65.7720**.

A 20% lighter version of the original color is **68.7322, 86.6490, 97.8964**, and **24.9969, 42.0288, 29.3492** is the 20% darker color. If you saturate the color by 10%, you get **47.2035, 76.5250, 52.8629**, and if you desaturate by 10%, it is **56.1370, 80.8344, 66.6528**.

Distribution



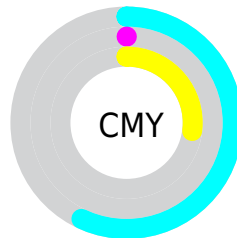
- Red (43%)
- Green (100%)
- Blue (73%)



- Red (43%)
- Yellow (80%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1600, 78.4229, 59.4544 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 51.1600, 78.4229, 59.4544 by changing the saturation by 10% instead.


 51.1600, 78.4229,
59.4544


 51.1600, 78.4229,
59.4544


381.5625,
489.6019, 440.3325


 36.5575, 58.4214,
42.5566


 91.0728, 131.1461,
105.5734

 25.0372, 42.1476,
29.2086


 117.1139,
164.6366, 135.6317

 16.2336, 29.2169,
18.9917


 147.6985,
203.3923, 170.9139

 9.7815, 19.2449,
11.4875

183.1920,
247.7976, 211.8385

 5.3155, 11.8474,
6.2775

223.9598,
298.2367, 258.8242

 2.4702, 6.6398,
2.9430

270.3673,

 0.8802, 3.2379,

355.0943, 312.2894

1.0656

322.7797,
418.7545, 372.6526

0.0000, 1.2572,
0.0000

0.0000, 0.1077,
0.0000

51.1600, 78.4229,
59.4544

51.1600, 78.4229,
59.4544

47.2035, 76.5250,
52.8629

56.1370, 80.8344,
66.6528

44.1823, 75.0973,
46.8570

62.2062, 83.7964,
74.4706

41.9996, 74.0902,
41.4195

69.4348, 87.3433,
82.9249

40.5327, 73.4407,
36.5299

77.8839, 91.5061,
92.0306

■ 40.1625, 73.2810,
35.1032

■ 87.6099, 96.3139,
101.8024

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.



58.1612, 78.4229, 36.6288



51.1600, 78.4229, 59.4544



49.9622, 78.4229, 98.5480

Triad

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



51.1600, 78.4229, 59.4544



79.0018, 78.4229, 192.8891



98.7595, 78.4229, 43.9771

Complementary

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



51.1600, 78.4229, 59.4544



54.8521, 35.6268, 46.1053

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.



106.0854, 78.4229, 73.4572



51.1600, 78.4229, 59.4544



93.7335, 78.4229, 165.1094

Square

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



51.1600, 78.4229, 59.4544



64.8262, 78.4229, 185.3395



104.1342, 78.4229, 117.9443



85.1756, 78.4229, 29.9515

Rectangle

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



51.1600, 78.4229, 59.4544



52.4380, 78.4229, 130.7931



104.1342, 78.4229, 117.9443



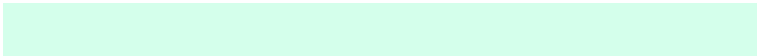
102.1117, 78.4229, 51.9362

Sweetspot

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



51.1606, 78.4231, 59.4557



77.7584, 91.4442, 91.9002



57.4167, 82.3593, 27.6234



16.2594, 19.3833, 19.2679



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.



51.1606, 78.4231, 59.4557



46.8141, 76.3396, 52.1500



59.4746, 80.5230, 107.0156



18.1747, 20.3294, 21.2231



21.0620, 38.3214, 18.7434



2.1060, 3.7533, 2.1158

Inverse Universe

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



54.8521, 35.6268, 46.1053



50.8307, 29.8758, 37.6991



49.8952, 34.0669, 18.6984



18.3639, 18.1289, 20.5336



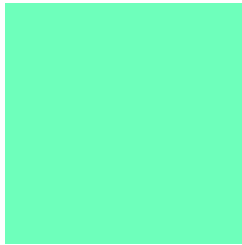
23.3810, 11.8417, 10.6568



2.3311, 1.1748, 1.3253

Previews

White Background



This preview shows how the XYZ color 51.1600, 78.4229, 59.4544 looks on a white background.

Color Contrast Check

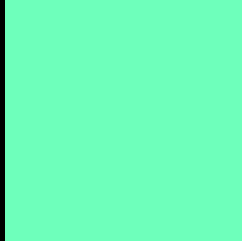
Large Text (above 18pt) WCAG AA × Fail

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 51.1600, 78.4229, 59.4544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

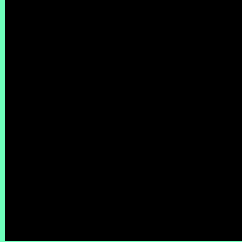
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1600, 78.4229, 59.4544

Background



This preview shows how black text looks on a background with the XYZ color 51.1600, 78.4229, 59.4544.

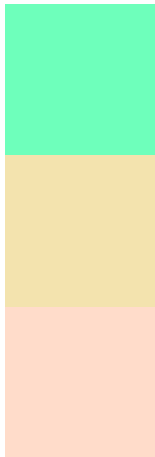


This preview shows how white text looks on a background with the XYZ color 51.1600, 78.4229,

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

51.1600, 78.4229, 59.4544

Protanopia

72.0712, 77.0488, 51.1178

Deuteranopia

77.4939, 76.7107, 66.5994



Tritanopia

64.9360, 77.6472, 106.1727

Trichromacy



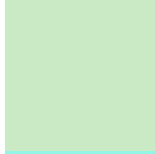
Original Color

51.1600, 78.4229, 59.4544



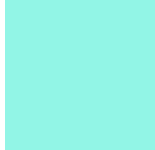
Protanomaly

60.9265, 75.4251, 53.9952



Deuteranomaly

63.5741, 74.8656, 63.9231



Tritanomaly

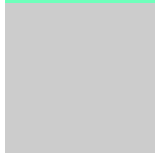
58.7894, 77.1290, 86.6518

Monochromacy



Original Color

51.1600, 78.4229, 59.4544



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.1583, 65.3986, 63.2475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1600, 78.4229, 59.4544 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(110, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 187)  
}
```

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(110, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 51.1600, 78.4229, 59.4544 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(110, 255, 187) }
```


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

```
.border{ border-color:rgb(110, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1600, 78.4229, 59.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 187) }
```

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

```
.background{ background-color: rgb(110,  
255, 187) }
```

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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