

Converting Colors

XYZ(51.3020, 77.0661, 71.6993)

Have a look what the booklet for
XYZ(51.3020, 77.0661, 71.6993)
contains.

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Color

**XYZ(51.4402, 77.3460,
71.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	61FDD0
RGB	97, 253, 208
RGB Percent	38%, 99%, 82%
CMY	0.6196, 0.0078, 0.1843
CMYK	0.62, 0.00, 0.18, 0.01
HSL	163°, 98%, 69%
HSV	163°, 62%, 99%
XYZ	51.4402, 77.3460, 71.8926
YIQ	201.2260, -78.5310, -47.0670

Conversions

Conversions Part 2

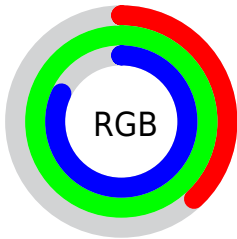
Format	Color
RYB	97, 188, 253
Decimal	6421968
CIELab	90.48, -51.50, 9.43
CIELCh	90, 52.359, 169.623
Yxy	77.3460, 0.2563, 0.3854
Android (android.graphics.Color)	4284612048 (0xFF61FDD0)
YUV	201.2260, 3.3396, -91.4062
Hunter-Lab	87.9466, -49.5014, 13.0955

Details

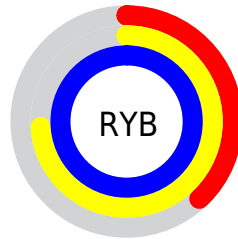
The XYZ color **51.4402, 77.3460, 71.8926** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **49.6678, 31.3870, 29.0346**, and the grayscale version is **55.6743, 58.5737, 63.7868**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **25.3478, 41.3633, 37.2198** is the 20% darker color. If you saturate the color by 10%, you get **48.2849, 75.8227, 67.1660**, and if you desaturate by 10%, it is **55.5004, 79.3349, 76.8807**.

Distribution



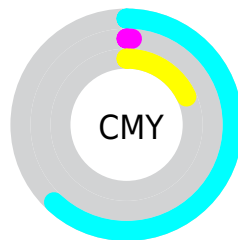
- Red (38%)
- Green (99%)
- Blue (82%)



- Red (38%)
- Yellow (74%)
- Blue (99%)



- Cyan (62%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (62%)
- Magenta (1%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4402, 77.3460, 71.8926 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 51.4402, 77.3460, 71.8926 by changing the saturation by 10% instead.

 51.4402, 77.3460,
71.8926


 51.4402, 77.3460,
71.8926


382.6312,
485.9429, 486.1352


 36.7815, 57.5369,
52.5846


 91.4843, 129.6278,
123.6101

 25.2113, 41.4365,
37.0858


 117.6003,
162.8692, 156.8568

 16.3641, 28.6603,
24.9777


 148.2663,
201.3569, 195.5867

 9.8746, 18.8240,
15.8415

183.8474,
245.4753, 240.2186

 5.3776, 11.5432,
9.2590

224.7091,
295.6087, 291.1708

 2.5075, 6.4334,
4.8114

271.2168,

 0.8990, 3.1104,

352.1415, 348.8619

2.0802

323.7357,
415.4581, 413.7105

■ 0.0000, 1.1896,
0.6040

■ 0.0000, 0.0532,
0.0000

■ 51.4402, 77.3460,
71.8926

■ 51.4402, 77.3460,
71.8926

■ 48.2849, 75.8227,
67.1660

■ 55.5004, 79.3349,
76.8807

■ 45.9425, 74.7118,
62.6886


■ 60.5335, 81.8186,
82.1312


■ 44.3123, 73.9635,
58.4545


■ 66.6081, 84.8342,
87.6517

■ 43.3667, 73.5492,
55.1005

■ 73.7847, 88.4130,
93.4479

 82.1190, 92.5837,
99.5249

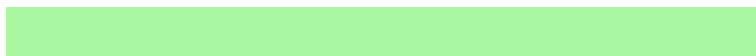
 91.6630, 97.3728,
105.8878

 94.4166, 98.7332,
108.6889

Harmonies

Analogous

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



55.9660, 77.3460, 45.6310



51.4402, 77.3460, 71.8926



52.2719, 77.3460, 110.8059

Triad

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



51.4402, 77.3460, 71.8926



82.2920, 77.3460, 171.9522



91.0481, 77.3460, 40.3876

Complementary

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



51.4402, 77.3460, 71.8926



49.6678, 31.3870, 29.0346

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.



99.8512, 77.3460, 62.2625



51.4402, 77.3460, 71.8926



94.3954, 77.3460, 140.0507

Square

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



51.4402, 77.3460, 71.8926



69.0755, 77.3460, 176.8356



101.1440, 77.3460, 97.8743



78.1409, 77.3460, 31.3640

Rectangle

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



51.4402, 77.3460, 71.8926



55.7886, 77.3460, 139.0325



101.1440, 77.3460, 97.8743



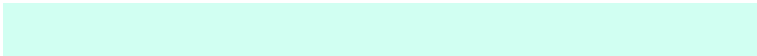
94.6473, 77.3460, 46.1160

Sweetspot

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



51.4423, 77.3491, 71.8944



78.0736, 91.4862, 97.3584



48.7521, 77.0281, 23.6089



16.2034, 19.3280, 20.4583



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.



51.4423, 77.3491, 71.8944



48.5185, 76.8853, 67.2732



48.7300, 61.7725, 102.2870



18.3183, 20.3869, 21.9794



23.1349, 39.1506, 29.6594



2.2999, 3.8309, 3.1373

Inverse Universe

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



49.6678, 31.3870, 29.0346



46.6408, 26.5656, 20.6737



50.4134, 37.2385, 15.8412



18.2248, 18.0732, 19.8012



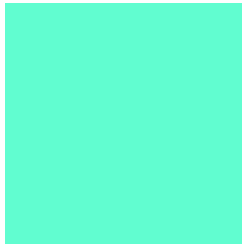
22.2425, 11.3863, 4.6615



2.2105, 1.1266, 0.6901

Previews

White Background



This preview shows how the XYZ color 51.4402, 77.3460, 71.8926 looks on a white background.

Color Contrast Check

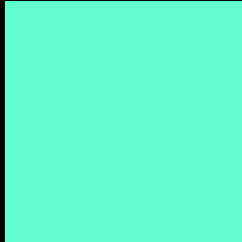
Large Text (above 18pt) WCAG AA × Fail

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 51.4402, 77.3460, 71.8926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

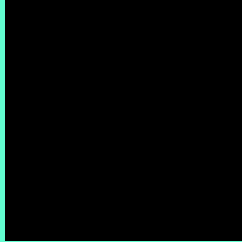
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4402, 77.3460, 71.8926

Background



This preview shows how black text looks on a background with the XYZ color 51.4402, 77.3460, 71.8926.

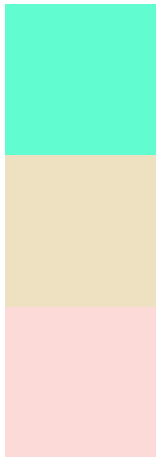


This preview shows how white text looks on a background with the XYZ color 51.4402, 77.3460,

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

51.4402, 77.3460, 71.8926

Protanopia

71.5879, 75.7500, 61.8871

Deuteranopia

77.6110, 75.7961, 75.5053



Tritanopia

63.1147, 76.7083, 106.0874

Trichromacy



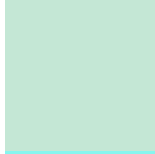
Original Color

51.4402, 77.3460, 71.8926



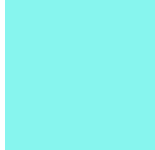
Protanomaly

60.2668, 73.9793, 65.1359



Deuteranomaly

63.3511, 73.6917, 73.8357



Tritanomaly

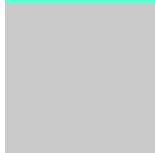
58.0767, 76.6288, 92.6188

Monochromacy



Original Color

51.4402, 77.3460, 71.8926



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.5965, 63.3326, 66.6317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4402, 77.3460, 71.8926 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(97, 253, 208)` looks like.

```
.text, #text, p{  
    color:rgb(97, 253, 208)  
}
```

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(97, 253, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 253, 208) }
```

Border

The CSS property to change the border of an element to XYZ 51.4402, 77.3460, 71.8926 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(97, 253, 208) }
```


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

```
.border{ border-color:rgb(97, 253, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 253, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 253, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 253, 208);  
box-shadow:4px 4px 4px 4px rgb(97, 253,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4402, 77.3460, 71.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 253, 208) }
```

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

```
.background{ background-color: rgb(97, 253,  
208) }
```

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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