

Converting Colors

XYZ(51.3185, 53.5327,
102.2358)

Have a look what the booklet for
XYZ(51.3185, 53.5327, 102.2358)
contains.

XYZ(51.5002, 53.7678, 102.2716)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.5002, 53.7678,
102.2716)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC4FF
RGB	156, 196, 255
RGB Percent	61%, 77%, 100%
CMY	0.3882, 0.2314, 0.0000
CMYK	0.39, 0.23, 0.00, 0.00
HSL	216°, 100%, 81%
HSV	216°, 39%, 100%
XYZ	51.5002, 53.7678, 102.2716
YIQ	190.7660, -42.7790, 9.8690

Conversions

Conversions Part 2

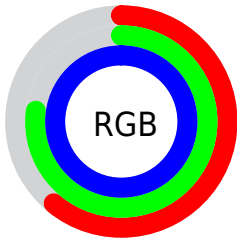
Format	Color
R _Y B	156, 184, 255
Decimal	10274047
CIE Lab	78.33, 1.05, -33.24
CIE LCh	78, 33.252, 271.803
Yxy	53.7678, 0.2481, 0.2591
Android (android.graphics.Color)	4288464127 (0xFF9CC4FF)
YUV	190.7660, 31.6674, -30.4898
Hunter-Lab	73.3265, -2.9536, -31.3657

Details

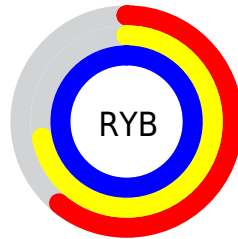
The XYZ color **51.5002, 53.7678, 102.2716** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.5417, 72.2616, 41.6315**, and the grayscale version is **49.2274, 51.7911, 56.4005**.

A 20% lighter version of the original color is **80.3010, 90.9869, 107.9377**, and **25.1216, 26.1325, 57.1461** is the 20% darker color. If you saturate the color by 10%, you get **43.8181, 44.9750, 100.9793**, and if you desaturate by 10%, it is **60.5685, 63.7929, 103.7287**.

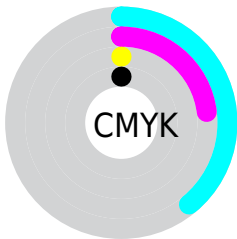
Distribution



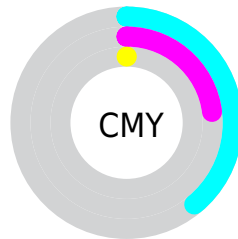
- Red (61%)
- Green (77%)
- Blue (100%)



- Red (61%)
- Yellow (72%)
- Blue (100%)



- Cyan (39%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5002, 53.7678, 102.2716 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 51.5002, 53.7678, 102.2716 by changing the saturation by 10% instead.

■ 51.5002, 53.7678,
102.2716

■ 51.5002, 53.7678,
102.2716

382.8598,
401.2239, 588.7601

■ 36.8295, 38.4161,
77.5716

■ 91.5723, 95.7332,
166.3544

■ 25.2486, 26.3058,
57.2077

■ 117.7045,
123.1157, 206.5743

■ 16.3921, 17.0525,
40.7616

148.3878,
155.2772, 252.8045

■ 9.8946, 10.2719,
27.8145

183.9877,
192.6021, 305.4637

■ 5.3909, 5.5796,
17.9481

224.8695,
235.4749, 364.9703

■ 2.5155, 2.5912,
10.7437

271.3985,

■ 0.9031, 0.9222,

284.2798, 431.7428

5.7827

323.9401,
339.4014, 506.1999

■ 0.0000, 0.0000,
2.6468

■ 0.0000, 0.0000,
0.9165

■ 51.5002, 53.7678,
102.2716

■ 51.5002, 53.7678,
102.2716

■ 43.8181, 44.9750,
100.9793

■ 60.5685, 63.7929,
103.7287

■ 37.4416, 37.3544,
99.8445

■ 71.0877, 75.0948,
105.3558

■ 32.2890, 30.8489,
98.8604

■ 83.1239, 87.7229,
107.1589

■ 28.2658, 25.3929,
98.0193

■ 95.0500, 100.0000,
108.9000

■ 25.2617, 20.9118,
97.3127

■ 23.1212, 17.3066,
96.7296

■ 22.9035, 16.9271,
96.6678

Harmonies

Analogous

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



45.4060, 53.7678, 96.2387



51.5002, 53.7678, 102.2716



58.0016, 53.7678, 94.6735

Triad

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



51.5002, 53.7678, 102.2716



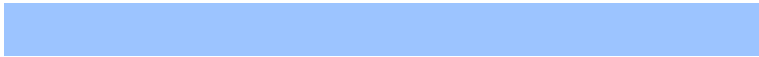
62.5189, 53.7678, 41.5851



40.8312, 53.7678, 43.1626

Complementary

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



51.5002, 53.7678, 102.2716



71.5417, 72.2616, 41.6315

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.



44.7774, 53.7678, 33.0209



51.5002, 53.7678, 102.2716



57.2613, 53.7678, 32.2556

Square

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



51.5002, 53.7678, 102.2716



64.6898, 53.7678, 57.4214



50.7112, 53.7678, 29.4867



39.5685, 53.7678, 59.6811

Rectangle

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



51.5002, 53.7678, 102.2716



61.6058, 53.7678, 83.6758



50.7112, 53.7678, 29.4867



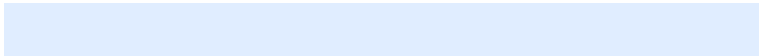
41.8703, 53.7678, 39.0273

Sweetspot

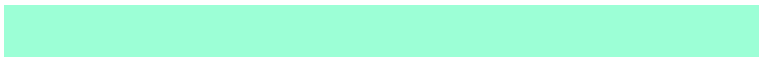
The Sweet Spot groups the original color and five complimentary colors.



51.5018, 53.7698, 102.2719



79.1305, 83.5631, 106.5664



61.5770, 83.4307, 76.3105



16.5956, 17.5285, 22.7586



0.0000, 0.0000, 0.0000



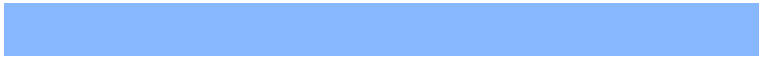
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5018, 53.7698, 102.2719



45.1183, 46.4883, 101.2029



45.3014, 38.9178, 99.7320



17.6055, 18.5826, 22.9088



12.1047, 9.1189, 50.5567



1.2824, 1.0955, 4.9571

Inverse Universe

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



63.0934, 49.0240, 58.3639



58.5322, 42.0728, 50.1504



80.0309, 93.6492, 45.3123



18.3135, 18.1087, 20.2681



22.8981, 11.6485, 8.1137



2.2819, 1.1551, 1.0659

Previews

White Background



This preview shows how the XYZ color 51.5002, 53.7678, 102.2716 looks on a white background.

Color Contrast Check

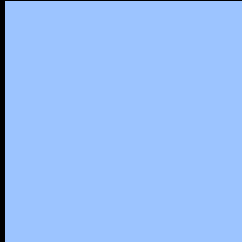
Large Text (above 18pt) WCAG AA × Fail

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 51.5002, 53.7678, 102.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

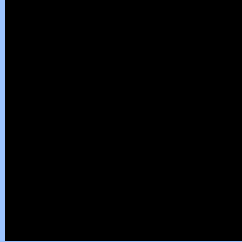
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

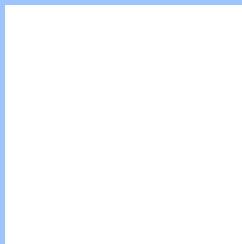
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5002, 53.7678, 102.2716

Background



This preview shows how black text looks on a background with the XYZ color 51.5002, 53.7678, 102.2716.



This preview shows how white text looks on a background with the XYZ color 51.5002, 53.7678,

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

51.5002, 53.7678, 102.2716

Protanopia

54.1749, 53.5737, 98.7522

Deuteranopia

54.8236, 53.5119, 102.0471



Tritanopia

46.1747, 54.0294, 75.0129

Trichromacy



Original Color

51.5002, 53.7678, 102.2716

Protanomaly

53.0028, 53.6032, 99.6484

Deuteranomaly

53.4772, 53.4653, 102.1090

Tritanomaly

47.7974, 53.6188, 84.1742

Monochromacy



Original Color

51.5002, 53.7678, 102.2716

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.5677, 52.4599, 71.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5002, 53.7678, 102.2716 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(156, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 255)  
}
```

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(156, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5002, 53.7678, 102.2716 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(156, 196, 255) }
```


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

```
.border{ border-color:rgb(156, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5002, 53.7678, 102.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 255) }
```

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

```
.background{ background-color: rgb(156,  
196, 255) }
```

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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