

Converting Colors

XYZ(59.5270, 47.7745,
142.7500)

Have a look what the booklet for
XYZ(59.5270, 47.7745, 142.7500)
contains.

XYZ(51.5127, 44.4446, 100.4714)	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(51.5127, 44.4446,
100.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	B9A5FF
RGB	185, 165, 255
RGB Percent	73%, 65%, 100%
CMY	0.2745, 0.3529, 0.0000
CMYK	0.27, 0.35, 0.00, 0.00
HSL	253°, 100%, 82%
HSV	253°, 35%, 100%
XYZ	51.5127, 44.4446, 100.4714
YIQ	181.2400, -16.9700, 32.2300

Conversions

Conversions Part 2

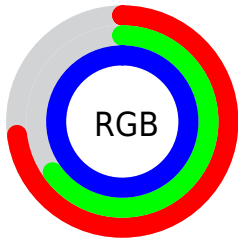
Format	Color
RYB	185, 165, 255
Decimal	12166655
CIELab	72.52, 26.09, -42.08
CIElCh	73, 49.511, 301.793
Yxy	44.4446, 0.2622, 0.2263
Android (android.graphics.Color)	4290356735 (0xFFB9A5FF)
YUV	181.2400, 36.3637, 3.2975
Hunter-Lab	66.6668, 21.2581, -42.6873

Details

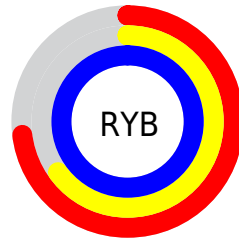
The XYZ color **51.5127, 44.4446, 100.4714** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.8130, 91.8990, 49.2889**, and the grayscale version is **43.8681, 46.1526, 50.2602**.

A 20% lighter version of the original color is **80.6053, 77.4611, 105.3109**, and **25.3041, 20.6333, 56.0750** is the 20% darker color. If you saturate the color by 10%, you get **42.9081, 33.8490, 98.8797**, and if you desaturate by 10%, it is **61.7045, 57.2214, 102.4004**.

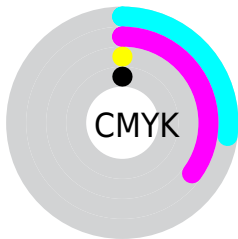
Distribution



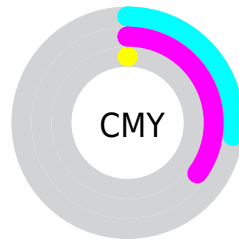
- Red (73%)
- Green (65%)
- Blue (100%)



- Red (73%)
- Yellow (65%)
- Blue (100%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5127, 44.4446, 100.4714 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 51.5127, 44.4446, 100.4714 by changing the saturation by 10% instead.

51.5127, 44.4446,
100.4714

51.5127, 44.4446,
100.4714

382.9074,
364.5195, 582.9626

36.8395, 31.0202,
76.0752

91.5907, 81.8863,
163.8624

25.2564, 20.6142,
55.9872

117.7261,
106.6725, 203.6942

16.3979, 12.8423,
39.7887

148.4131,
136.0146, 249.5084

9.8988, 7.3200,
27.0613

184.0169,
170.2972, 301.7234

5.3936, 3.6631,
17.3864

224.9028,
209.9045, 360.7577

2.5171, 1.4869,
10.3455

271.4363,

0.9039, 0.2795,

255.2211, 427.0300

5.5201

323.9827,
306.6313, 500.9588

■ 0.0000, 0.0000,
2.4915

■ 0.0000, 0.0000,
0.8356

■ 51.5127, 44.4446,
100.4714

■ 51.5127, 44.4446,
100.4714

■ 42.9081, 33.8490,
98.8797

■ 61.7045, 57.2214,
102.4004

■ 35.8042, 25.3058,
97.6052

■ 73.5553, 72.2881,
104.6840

■ 30.1123, 18.6804,
96.6263

■ 87.1376, 89.7524,
107.3390

■ 25.7324, 13.8194,
95.9189

95.0500, 100.0000,
108.9000

■ 22.5501, 10.5454,
95.4547

■ 20.4285, 8.6414,
95.1990

■ 19.7184, 8.0801,
95.1281

Harmonies

Analogous

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



42.7600, 44.4446, 112.3755



51.5127, 44.4446, 100.4714



58.4547, 44.4446, 74.2392

Triad

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



51.5127, 44.4446, 100.4714



50.5020, 44.4446, 17.6243



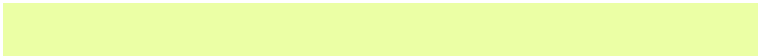
27.8468, 44.4446, 49.8815

Complementary

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



51.5127, 44.4446, 100.4714



76.8130, 91.8990, 49.2889

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.



29.3459, 44.4446, 29.3718



51.5127, 44.4446, 100.4714



41.7307, 44.4446, 14.9338

Square

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



51.5127, 44.4446, 100.4714



57.8180, 44.4446, 27.5795



34.1584, 44.4446, 18.3867



29.7514, 44.4446, 77.6869

Rectangle

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



51.5127, 44.4446, 100.4714



60.6986, 44.4446, 55.4311



34.1584, 44.4446, 18.3867



27.9684, 44.4446, 41.9767

Sweetspot

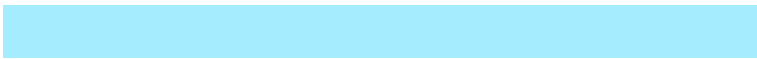
The Sweet Spot groups the original color and five complimentary colors.



51.5141, 44.4463, 100.4716



79.1696, 79.4853, 105.7773



63.4197, 74.9236, 105.7269



16.5585, 16.5162, 22.5652



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.



51.5141, 44.4463, 100.4716



45.5717, 37.1052, 99.3679



63.9790, 50.8722, 101.0550



17.3805, 17.5723, 22.7257



10.4070, 4.2755, 49.7113



1.1020, 0.4620, 4.8444

Inverse Universe

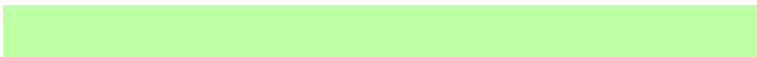
The Inverse Universe completely reimagines the original color for something new.



69.6913, 54.1698, 85.3805



66.2663, 48.1893, 81.5582



63.9129, 85.2487, 48.6852



18.6097, 18.2272, 21.8279



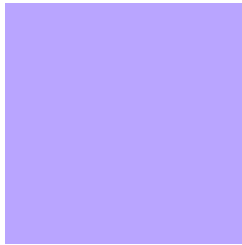
26.9536, 13.2707, 29.4700



2.6649, 1.3083, 3.0828

Previews

White Background



This preview shows how the XYZ color 51.5127, 44.4446, 100.4714 looks on a white background.

Color Contrast Check

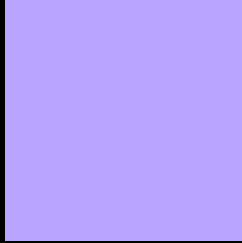
Large Text (above 18pt) WCAG AA × Fail

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 51.5127, 44.4446, 100.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

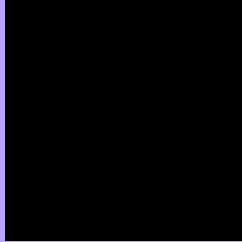
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5127, 44.4446, 100.4714

Background



This preview shows how black text looks on a background with the XYZ color 51.5127, 44.4446, 100.4714.



This preview shows how white text looks on a background with the XYZ color 51.5127, 44.4446,

100.4714.

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

51.5127, 44.4446, 100.4714

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.8326, 44.6265, 99.1267



Tritanopia

42.6684, 44.5308, 56.2156

Trichromacy



Original Color

51.5127, 44.4446, 100.4714

Protanomaly

47.9228, 44.2383, 100.6208

Deuteranomaly

47.7462, 44.4473, 99.8286

Tritanomaly

45.3408, 44.1405, 70.4202

Monochromacy



Original Color

51.5127, 44.4446, 100.4714

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.0065, 45.1591, 65.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5127, 44.4446, 100.4714 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(185, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 165, 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(185, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5127, 44.4446, 100.4714 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(185, 165, 255) }
```


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

```
.border{ border-color:rgb(185, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5127, 44.4446, 100.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 165, 255) }
```

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

```
.background{ background-color: rgb(185,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor