

Converting Colors

XYZ(51.8751, 46.6494,
103.3551)

Have a look what the booklet for
XYZ(51.8751, 46.6494, 103.3551)
contains.

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Color

**XYZ(51.5840, 46.6908,
100.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	B3ADFF
RGB	179, 173, 255
RGB Percent	70%, 68%, 100%
CMY	0.2980, 0.3216, 0.0000
CMYK	0.30, 0.32, 0.00, 0.00
HSL	244°, 100%, 84%
HSV	244°, 32%, 100%
XYZ	51.5840, 46.6908, 100.9012
YIQ	184.1420, -22.7460, 26.7740

Conversions

Conversions Part 2

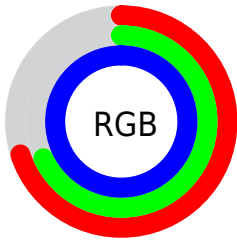
Format	Color
R _Y B	179, 173, 255
Decimal	11775487
CIE Lab	73.99, 19.95, -39.83
CIE LCh	74, 44.548, 296.606
Yxy	46.6908, 0.2590, 0.2344
Android (android.graphics.Color)	4289965567 (0xFFB3ADFF)
YUV	184.1420, 34.9330, -4.5095
Hunter-Lab	68.3307, 15.1741, -39.7197

Details

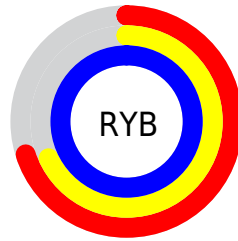
The XYZ color **51.5840, 46.6908, 100.9012** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.3699, 94.6769, 53.4699**, and the grayscale version is **45.4617, 47.8293, 52.0861**.

A 20% lighter version of the original color is **80.3855, 80.5397, 105.9167**, and **25.3426, 22.0370, 56.3440** is the 20% darker color. If you saturate the color by 10%, you get **42.1508, 35.2495, 99.1900**, and if you desaturate by 10%, it is **62.8893, 60.4843, 102.9678**.

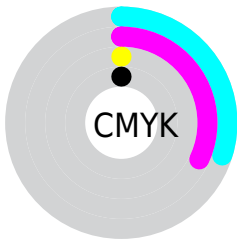
Distribution



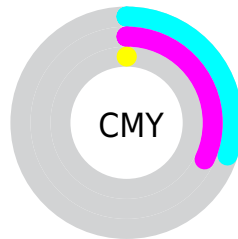
- Red (70%)
- Green (68%)
- Blue (100%)



- Red (70%)
- Yellow (68%)
- Blue (100%)



- Cyan (30%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5840, 46.6908, 100.9012 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 51.5840, 46.6908, 100.9012 by changing the saturation by 10% instead.

■ 51.5840, 46.6908,
100.9012

■ 51.5840, 46.6908,
100.9012

383.1789,
373.5790, 584.3495

■ 36.8965, 32.7913,
76.4323

■ 91.6953, 85.2519,
164.4577

■ 25.3007, 21.9666,
56.2783

117.8498,
110.6823, 204.3825

■ 16.4311, 13.8324,
40.0206

148.5574,
140.7251, 250.2963

■ 9.9225, 8.0042,
27.2407

184.1835,
175.7647, 302.6176

■ 5.4095, 4.0976,
17.5200

225.0933,
216.1855, 361.7651

■ 2.5267, 1.7283,
10.4401

271.6522,

■ 0.9087, 0.4419,

262.3718, 428.1572

5.5823

324.2256,
314.7082, 502.2125

■ 0.0000, 0.0000,
2.5282

■ 0.0000, 0.0000,
0.8550

■ 51.5840, 46.6908,
100.9012

■ 51.5840, 46.6908,
100.9012

■ 42.1508, 35.2495,
99.1900

■ 62.8893, 60.4843,
102.9678

■ 34.4844, 26.0241,
97.8134

■ 76.1558, 76.7458,
105.4073

■ 28.4757, 18.8724,
96.7496

■ 91.4719, 95.5895,
108.2373

■ 24.0016, 13.6334,
95.9742

95.0500, 100.0000,
108.9000

■ 20.9220, 10.1223,
95.4588

■ 19.0704, 8.1175,
95.1694

■ 18.3120, 7.3551,
95.0623

Harmonies

Analogous

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



43.4791, 46.6908, 108.2757



51.5840, 46.6908, 100.9012



58.4069, 46.6908, 78.9488

Triad

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



51.5840, 46.6908, 100.9012



53.3368, 46.6908, 22.3422



30.7981, 46.6908, 48.2897

Complementary

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



51.5840, 46.6908, 100.9012



82.3699, 94.6769, 53.4699

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.



32.7975, 46.6908, 30.3451



51.5840, 46.6908, 100.9012



45.2896, 46.6908, 18.4576

Square

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



51.5840, 46.6908, 100.9012



59.5008, 46.6908, 33.6410



37.8768, 46.6908, 20.8769



32.0631, 46.6908, 73.0790

Rectangle

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



51.5840, 46.6908, 100.9012



60.9758, 46.6908, 61.6716



37.8768, 46.6908, 20.8769



31.1041, 46.6908, 41.3544

Sweetspot

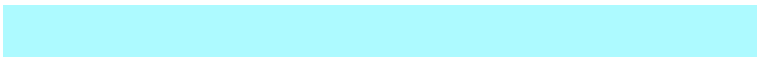
The Sweet Spot groups the original color and five complimentary colors.



51.5855, 46.6925, 100.9015



79.2811, 80.5856, 105.9838



69.3251, 84.1863, 107.2035



16.5310, 16.7099, 22.6040



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.



51.5855, 46.6925, 100.9015



44.9321, 38.6145, 99.6929



62.3487, 52.2412, 101.4052



17.1261, 17.4412, 22.7138



9.6125, 3.8659, 49.6741



0.9767, 0.3974, 4.8385

Inverse Universe

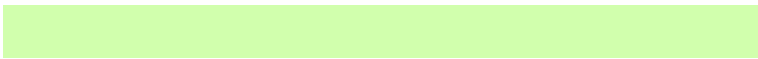
The Inverse Universe completely reimagines the original color for something new.



73.2830, 57.9879, 96.9525



69.9533, 51.6463, 94.8630



69.4663, 88.0249, 52.8661



18.7319, 18.2761, 22.4714



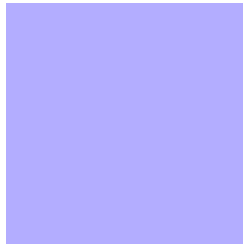
29.5100, 14.2933, 42.9316



2.8897, 1.3983, 4.2668

Previews

White Background



This preview shows how the XYZ color 51.5840, 46.6908, 100.9012 looks on a white background.

Color Contrast Check

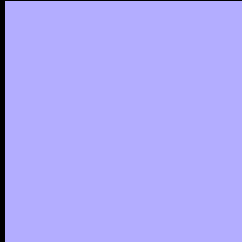
Large Text (above 18pt) WCAG AA × Fail

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 51.5840, 46.6908, 100.9012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

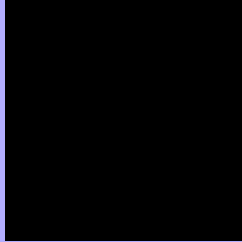
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5840, 46.6908, 100.9012

Background



This preview shows how black text looks on a background with the XYZ color 51.5840, 46.6908, 100.9012.



This preview shows how white text looks on a background with the XYZ color 51.5840, 46.6908,

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

51.5840, 46.6908, 100.9012

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

48.1153, 46.9664, 100.2954



Tritanopia

43.3856, 46.6200, 60.7447

Trichromacy



Original Color

51.5840, 46.6908, 100.9012

Protanomaly

49.4980, 46.7713, 101.0267

Deuteranomaly

49.1286, 46.5994, 100.1712

Tritanomaly

45.9020, 46.4149, 73.5575

Monochromacy



Original Color

51.5840, 46.6908, 100.9012

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.2455, 47.2407, 67.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5840, 46.6908, 100.9012 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(179, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 173, 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(179, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5840, 46.6908, 100.9012 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(179, 173, 255) }
```


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

```
.border{ border-color:rgb(179, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5840, 46.6908, 100.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 173, 255) }
```

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

```
.background{ background-color: rgb(179,  
173, 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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