

Converting Colors

XYZ(51.1739, 46.3319, 98.1360)

Have a look what the booklet for
XYZ(51.1739, 46.3319, 98.1360)
contains.

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Color

**XYZ(51.1456, 46.2366,
98.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	B4ACFC
RGB	180, 172, 252
RGB Percent	71%, 67%, 99%
CMY	0.2941, 0.3255, 0.0118
CMYK	0.29, 0.32, 0.00, 0.01
HSL	246°, 93%, 83%
HSV	246°, 32%, 99%
XYZ	51.1456, 46.2366, 98.3244
YIQ	183.5120, -20.9120, 26.5760

Conversions

Conversions Part 2

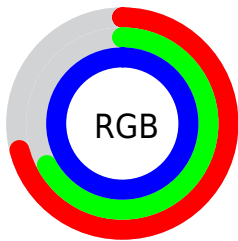
Format	Color
R _Y B	180, 172, 252
Decimal	11840764
CIE Lab	73.70, 20.05, -38.66
CIE LCh	74, 43.553, 297.416
Yxy	46.2366, 0.2613, 0.2363
Android (android.graphics.Color)	4290030844 (0xFFB4ACFC)
YUV	183.5120, 33.7646, -3.0800
Hunter-Lab	67.9975, 15.2665, -38.1351

Details

The XYZ color **51.1456, 46.2366, 98.3244** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.5661, 91.8334, 52.5635**, and the grayscale version is **45.1206, 47.4704, 51.6953**.

A 20% lighter version of the original color is **80.4441, 80.1627, 105.8408**, and **25.0242, 21.7330, 54.5057** is the 20% darker color. If you saturate the color by 10%, you get **41.9418, 35.0353, 96.6482**, and if you desaturate by 10%, it is **62.1258, 59.7055, 100.3462**.

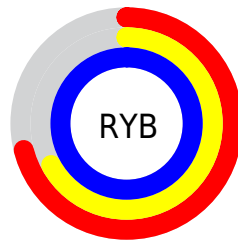
Distribution



Red (71%)

Green (67%)

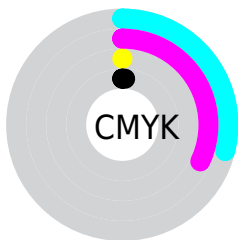
Blue (99%)



Red (71%)

Yellow (67%)

Blue (99%)

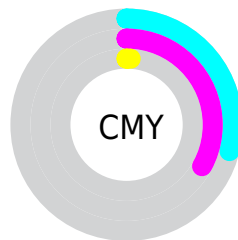


Cyan (29%)

Magenta (32%)

Yellow (0%)

Black (1%)



Cyan (29%)

Magenta (33%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1456, 46.2366, 98.3244 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 51.1456, 46.2366, 98.3244 by changing the saturation by 10% instead.

■ 51.1456, 46.2366,
98.3244

■ 51.1456, 46.2366,
98.3244

381.5076,
371.7590, 576.0078

■ 36.5460, 32.4326,
74.2928

■ 91.0517, 84.5730,
160.8844

■ 25.0282, 21.6921,
54.5355

117.0889,
109.8741, 200.2498

■ 16.2269, 13.6308,
38.6339

147.6693,
139.7764, 245.5637

■ 9.7768, 7.8644,
26.1694

183.1583,
174.6643, 297.2445

■ 5.3123, 4.0083,
16.7235

223.9213,
214.9220, 355.7108

■ 2.4683, 1.6782,
9.8777

270.3236,

■ 0.8793, 0.4095,

260.9342, 421.3810

5.2134

322.7306,
313.0850, 494.6739

■ 0.0000, 0.0000,
2.3121

■ 0.0000, 0.0000,
0.7380

■ 51.1456, 46.2366,
98.3244

■ 51.1456, 46.2366,
98.3244

■ 41.9418, 35.0353,
96.6482

■ 62.1258, 59.7055,
100.3462

■ 34.4161, 25.9715,
95.2954

■ 74.9642, 75.5516,
102.7282

■ 28.4680, 18.9102,
94.2459

■ 89.7434, 93.8842,
105.4878

■ 23.9841, 13.6986,
93.4763

■ 94.5709, 99.8083,
106.3768

■ 20.8356, 10.1619,
92.9596

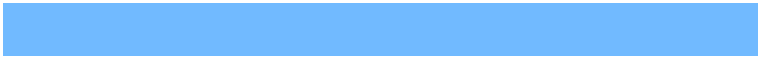
■ 18.8708, 8.0912,
92.6635

■ 17.9767, 7.2376,
92.5458

Harmonies

Analogous

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



43.2804, 46.2366, 105.9079



51.1456, 46.2366, 98.3244



57.6856, 46.2366, 76.8984

Triad

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



51.1456, 46.2366, 98.3244



52.4393, 46.2366, 22.3369



30.7173, 46.2366, 48.4507

Complementary

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



51.1456, 46.2366, 98.3244



79.5661, 91.8334, 52.5635

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.



32.5830, 46.2366, 30.7367



51.1456, 46.2366, 98.3244



44.6194, 46.2366, 18.6868

Square

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



51.1456, 46.2366, 98.3244



58.4919, 46.2366, 33.1892



37.4568, 46.2366, 21.2400



32.0376, 46.2366, 72.5774

Rectangle

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



51.1456, 46.2366, 98.3244



60.0929, 46.2366, 60.1904



37.4568, 46.2366, 21.2400



30.9872, 46.2366, 41.6343

Sweetspot

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



51.1472, 46.2384, 98.3255



79.5028, 80.6999, 105.9941



66.9359, 80.5015, 104.1068



16.5841, 16.7372, 22.6065



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.



51.1472, 46.2384, 98.3255



46.3977, 40.0097, 99.8850



61.8398, 51.7507, 98.8259



16.4440, 16.7260, 21.7470



9.4188, 3.7983, 48.2103



0.9243, 0.3786, 4.4675

Inverse Universe

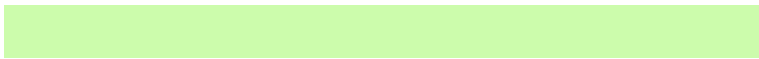
The Inverse Universe completely reimagines the original color for something new.



71.2278, 56.7337, 92.7855



70.0127, 52.3594, 93.0507



67.1600, 85.4379, 51.9829



17.9138, 17.4929, 21.4019



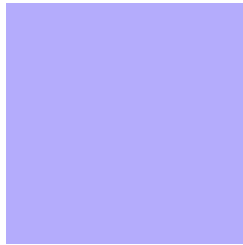
28.1515, 13.6763, 39.1019



2.6283, 1.2751, 3.7321

Previews

White Background



This preview shows how the XYZ color 51.1456, 46.2366, 98.3244 looks on a white background.

Color Contrast Check

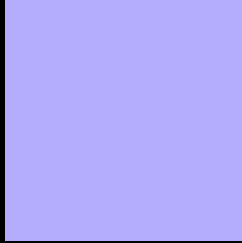
Large Text (above 18pt) WCAG AA × Fail

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 51.1456, 46.2366, 98.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

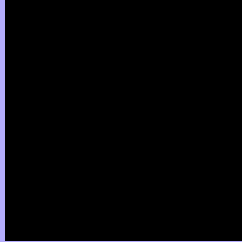
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1456, 46.2366, 98.3244

Background



This preview shows how black text looks on a background with the XYZ color 51.1456, 46.2366, 98.3244.

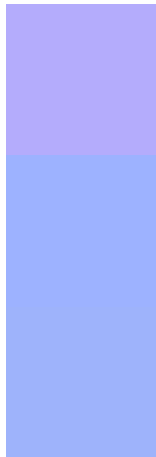


This preview shows how white text looks on a background with the XYZ color 51.1456, 46.2366,

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

51.1456, 46.2366, 98.3244

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.6332, 46.4743, 97.7267



Tritanopia

43.3737, 46.3332, 59.4805

Trichromacy



Original Color

51.1456, 46.2366, 98.3244

Protanomaly

48.9318, 46.2058, 100.1056

Deuteranomaly

48.6638, 46.1227, 97.6045

Tritanomaly

45.8781, 46.1342, 72.1324

Monochromacy



Original Color

51.1456, 46.2366, 98.3244

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.3583, 47.3132, 66.9579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1456, 46.2366, 98.3244 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(180, 172, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 252)  
}
```

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(180, 172, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 252) }
```

Border

The CSS property to change the border of an element to XYZ 51.1456, 46.2366, 98.3244 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(180, 172, 252) }
```


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

```
.border{ border-color:rgb(180, 172, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1456, 46.2366, 98.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 252) }
```

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

```
.background{ background-color: rgb(180,  
172, 252) }
```

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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