

Converting Colors

XYZ(50.1746, 46.5379,
100.9460)

Have a look what the booklet for
XYZ(50.1746, 46.5379, 100.9460)
contains.

XYZ(50.1746, 46.5379, 100.9460)	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(50.1746, 46.5379,
100.9460)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAFFF
RGB	171, 175, 255
RGB Percent	67%, 69%, 100%
CMY	0.3294, 0.3137, 0.0000
CMYK	0.33, 0.31, 0.00, 0.00
HSL	237°, 100%, 84%
HSV	237°, 33%, 100%
XYZ	50.1746, 46.5379, 100.9460
YIQ	182.9240, -28.0640, 24.0320

Conversions

Conversions Part 2

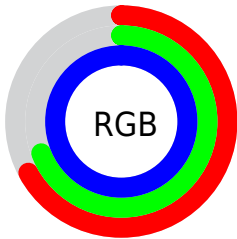
Format	Color
RYB	171, 175, 255
Decimal	11251711
CIELab	73.89, 16.63, -40.03
CIELCh	74, 43.344, 292.555
Yxy	46.5379, 0.2538, 0.2354
Android (android.graphics.Color)	4289441791 (0xFFABAFFF)
YUV	182.9240, 35.5335, -10.4573
Hunter-Lab	68.2187, 11.9034, -39.9808

Details

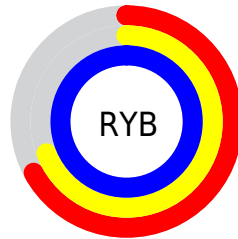
The XYZ color **50.1746, 46.5379, 100.9460** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.0884, 93.1951, 52.1392**, and the grayscale version is **44.7919, 47.1246, 51.3186**.

A 20% lighter version of the original color is **78.3417, 80.3076, 105.9796**, and **24.4785, 21.9561, 56.3739** is the 20% darker color. If you saturate the color by 10%, you get **40.8373, 35.3280, 99.2744**, and if you desaturate by 10%, it is **61.4363, 60.0035, 102.9515**.

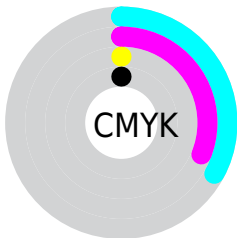
Distribution



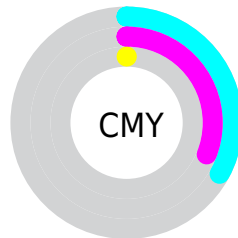
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1746, 46.5379, 100.9460 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 50.1746, 46.5379, 100.9460 by changing the saturation by 10% instead.

■ 50.1746, 46.5379,
100.9460

■ 50.1746, 46.5379,
100.9460

377.7891,
372.9670, 584.4940

■ 35.7705, 32.6705,
76.4695

■ 89.6238, 85.0234,
164.5198

■ 24.4263, 21.8741,
56.3086

115.3996,
110.4104, 204.4542

■ 15.7766, 13.7645,
40.0448

145.6967,
140.4059, 250.3784

■ 9.4560, 7.9570,
27.2594

180.8805,
175.3945, 302.7108

■ 5.0993, 4.0675,
17.5340

221.3162,
215.7605, 361.8700

■ 2.3410, 1.7114,
10.4500

267.3693,

■ 0.8155, 0.4310,

261.8883, 428.2746

5.5888

319.4052,
314.1624, 502.3431

■ 0.0000, 0.0000,
2.5320

■ 0.0000, 0.0000,
0.8570

■ 50.1746, 46.5379,
100.9460

■ 50.1746, 46.5379,
100.9460

■ 40.8373, 35.3280,
99.2744

■ 61.4363, 60.0035,
102.9515

■ 33.3125, 26.2457,
97.9179

■ 74.7170, 75.8333,
105.3070

■ 27.4837, 19.1579,
96.8570

■ 90.1103, 94.1351,
108.0283

■ 23.2190, 13.9143,
96.0697

95.0500, 100.0000,
108.9000

■ 20.3670, 10.3434,
95.5308

■ 18.7460, 8.2416,
95.2105

■ 18.1832, 7.4864,
95.0944

Harmonies

Analogous

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



42.3373, 46.5379, 105.5967



50.1746, 46.5379, 100.9460



57.0961, 46.5379, 81.1636

Triad

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



50.1746, 46.5379, 100.9460



53.8859, 46.5379, 23.8587



31.0860, 46.5379, 45.3607

Complementary

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



50.1746, 46.5379, 100.9460



83.0884, 93.1951, 52.1392

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.



33.4631, 46.5379, 28.9700



50.1746, 46.5379, 100.9460



46.1843, 46.5379, 19.1264

Square

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



50.1746, 46.5379, 100.9460



59.4068, 46.5379, 36.0516



38.7798, 46.5379, 20.6777



31.8915, 46.5379, 68.7906

Rectangle

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



50.1746, 46.5379, 100.9460



59.9595, 46.5379, 64.5150



38.7798, 46.5379, 20.6777



31.5289, 46.5379, 38.9657

Sweetspot

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



50.1761, 46.5396, 100.9462



79.0189, 80.9523, 106.0684



69.9365, 87.1308, 104.2336



16.4682, 16.7976, 22.6242



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.



50.1761, 46.5396, 100.9462



43.3893, 38.3972, 99.7323



58.8522, 49.8738, 101.1325



17.0724, 17.5164, 22.7311



9.5304, 3.9703, 49.6986



0.9513, 0.4332, 4.8468

Inverse Universe

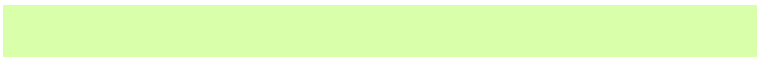
The Inverse Universe completely reimagines the original color for something new.



63.5418, 53.4826, 47.5333



58.7905, 46.5062, 38.1611



71.7863, 89.2431, 51.9721



18.0444, 18.0011, 18.8511



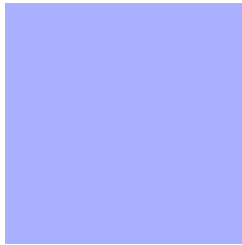
21.5987, 11.1288, 1.2712



2.1148, 1.0883, 0.1858

Previews

White Background



This preview shows how the XYZ color 50.1746, 46.5379, 100.9460 looks on a white background.

Color Contrast Check

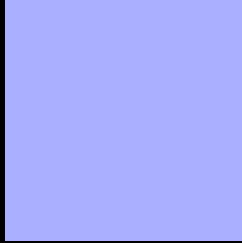
Large Text (above 18pt) WCAG AA × Fail

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 50.1746, 46.5379, 100.9460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

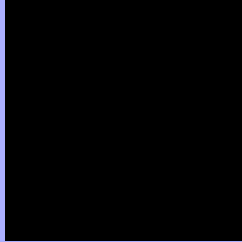
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1746, 46.5379, 100.9460

Background



This preview shows how black text looks on a background with the XYZ color 50.1746, 46.5379, 100.9460.

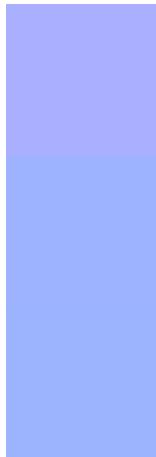


This preview shows how white text looks on a background with the XYZ color 50.1746, 46.5379,

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

50.1746, 46.5379, 100.9460

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.7198, 46.4639, 100.2193



Tritanopia

42.2823, 46.6589, 61.4211

Trichromacy



Original Color

50.1746, 46.5379, 100.9460

Protanomaly

49.0747, 46.8473, 101.0637

Deuteranomaly

48.5077, 46.5736, 100.1989

Tritanomaly

44.7505, 46.4097, 74.3095

Monochromacy



Original Color

50.1746, 46.5379, 100.9460

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.4203, 46.8297, 66.9140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1746, 46.5379, 100.9460 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(171, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 175, 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(171, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1746, 46.5379, 100.9460 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(171, 175, 255) }
```


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

```
.border{ border-color:rgb(171, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1746, 46.5379, 100.9460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 175, 255) }
```

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

```
.background{ background-color: rgb(171,  
175, 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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