

Converting Colors

XYZ(50.1475, 48.9323,
101.4096)

Have a look what the booklet for
XYZ(50.1475, 48.9323, 101.4096)
contains.

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Color

**XYZ(50.0877, 48.8735,
101.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B7FF
RGB	163, 183, 255
RGB Percent	64%, 72%, 100%
CMY	0.3608, 0.2823, 0.0000
CMYK	0.36, 0.28, 0.00, 0.00
HSL	227°, 100%, 82%
HSV	227°, 36%, 100%
XYZ	50.0877, 48.8735, 101.4014
YIQ	185.2280, -35.0320, 18.1520

Conversions

Conversions Part 2

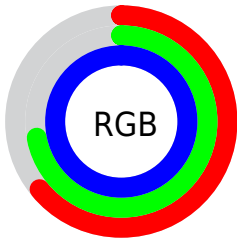
Format	Color
RYB	163, 179, 255
Decimal	10729471
CIELab	75.37, 10.02, -37.77
CIELCh	75, 39.077, 284.851
Yxy	48.8735, 0.2500, 0.2439
Android (android.graphics.Color)	4288919551 (0xFFA3B7FF)
YUV	185.2280, 34.3976, -19.4940
Hunter-Lab	69.9096, 5.5470, -37.0614

Details

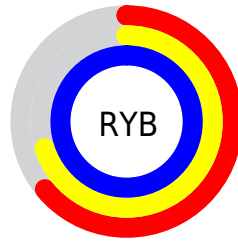
The XYZ color **50.0877, 48.8735, 101.4014** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.5596, 83.3214, 46.6469**, and the grayscale version is **46.0708, 48.4700, 52.7839**.

A 20% lighter version of the original color is **78.4317, 84.1686, 106.7201**, and **24.3600, 23.2306, 56.6261** is the 20% darker color. If you saturate the color by 10%, you get **41.5548, 38.7921, 99.9052**, and if you desaturate by 10%, it is **60.2598, 60.6683, 103.1419**.

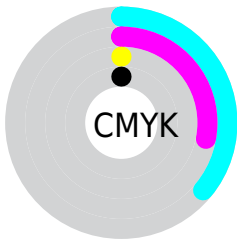
Distribution



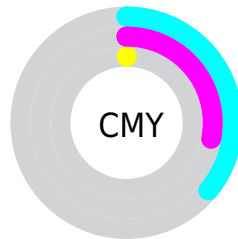
- Red (64%)
- Green (72%)
- Blue (100%)



- Red (64%)
- Yellow (70%)
- Blue (100%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0877, 48.8735, 101.4014 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 50.0877, 48.8735, 101.4014 by changing the saturation by 10% instead.

■ 50.0877, 48.8735,
101.4014

■ 50.0877, 48.8735,
101.4014

377.4551,
382.2441, 585.9614

■ 35.7012, 34.5191,
76.8480

■ 89.4958, 88.5035,
165.1503

■ 24.3725, 23.2927,
56.6173

■ 115.2482,
114.5480, 205.1830

■ 15.7364, 14.8098,
40.2908

145.5198,
145.2580, 251.2125

■ 9.4275, 8.6860,
27.4498

180.6761,
181.0179, 303.6573

■ 5.0804, 4.5369,
17.6759

221.0825,
222.2120, 362.9361

■ 2.3297, 1.9782,
10.5505

267.1042,

■ 0.8098, 0.5948,

269.2248, 429.4674

5.6551

319.1066,
322.4407, 503.6696

■ 0.0000, 0.0000,
2.5712

■ 0.0000, 0.0000,
0.8775

■ 50.0877, 48.8735,
101.4014

■ 50.0877, 48.8735,
101.4014

■ 41.5548, 38.7921,
99.9052

■ 60.2598, 60.6683,
103.1419

■ 34.5686, 30.3371,
98.6414

■ 72.1479, 74.2473,
105.1363

■ 29.0339, 23.4217,
97.5983

■ 85.8294, 89.6835,
107.3947

■ 24.8426, 17.9481,
96.7627

95.0500, 100.0000,
108.9000

■ 21.8706, 13.8066,
96.1200

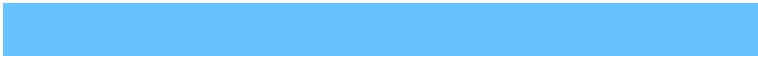
■ 19.9674, 10.8690,
95.6533

■ 19.4370, 9.9940,
95.5123

Harmonies

Analogous

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



42.9324, 48.8735, 101.3198



50.0877, 48.8735, 101.4014



56.9027, 48.8735, 86.5140

Triad

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



50.0877, 48.8735, 101.4014



56.9608, 48.8735, 29.8877



34.3438, 48.8735, 43.5231

Complementary

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



50.0877, 48.8735, 101.4014



77.5596, 83.3214, 46.6469

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.



37.3676, 48.8735, 29.7890



50.0877, 48.8735, 101.4014



50.1605, 48.8735, 23.4131

Square

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



50.0877, 48.8735, 101.4014



61.1404, 48.8735, 43.6968



42.9981, 48.8735, 23.3824



34.3287, 48.8735, 64.0237

Rectangle

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



50.0877, 48.8735, 101.4014



60.1267, 48.8735, 71.8793



42.9981, 48.8735, 23.3824



35.0271, 48.8735, 38.0983

Sweetspot

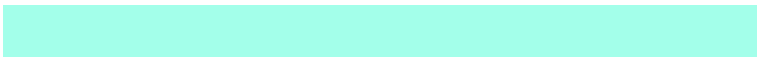
The Sweet Spot groups the original color and five complimentary colors.



50.0892, 48.8753, 101.4016



78.8653, 81.8478, 106.2493



65.6495, 85.2207, 90.4807



16.4866, 17.0742, 22.6767



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.



50.0892, 48.8753, 101.4016



44.0117, 41.7173, 100.3403



51.7728, 44.0483, 100.3812



17.3231, 18.0178, 22.8147



10.2446, 5.3987, 49.9367



1.0735, 0.6776, 4.8875

Inverse Universe

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



62.8855, 50.8748, 51.3070



58.5980, 44.4896, 43.1274



75.1546, 91.0650, 48.2683



18.1710, 18.0517, 19.5175



21.9592, 11.2730, 3.1695



2.1764, 1.1130, 0.5106

Previews

White Background



This preview shows how the XYZ color 50.0877, 48.8735, 101.4014 looks on a white background.

Color Contrast Check

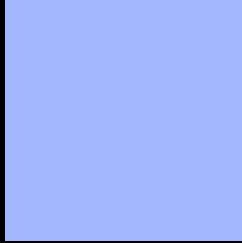
Large Text (above 18pt) WCAG AA × Fail

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 50.0877, 48.8735, 101.4014 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 50.0877, 48.8735, 101.4014

Background



This preview shows how black text looks on a background with the XYZ color 50.0877, 48.8735, 101.4014.



This preview shows how white text looks on a background with the XYZ color 50.0877, 48.8735,

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

50.0877, 48.8735, 101.4014

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.0877, 48.8735, 101.4014



Tritanopia

43.0610, 48.8797, 66.1966

Trichromacy



Original Color

50.0877, 48.8735, 101.4014

Protanomaly

50.2933, 48.9795, 101.4110

Deuteranomaly

50.0877, 48.8735, 101.4014

Tritanomaly

45.3624, 48.8449, 77.5582

Monochromacy



Original Color

50.0877, 48.8735, 101.4014

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9048, 48.2812, 67.8198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0877, 48.8735, 101.4014 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(163, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 183, 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(163, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0877, 48.8735, 101.4014 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(163, 183, 255) }
```


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

```
.border{ border-color:rgb(163, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0877, 48.8735, 101.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 183, 255) }
```

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

```
.background{ background-color: rgb(163,  
183, 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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