

Converting Colors

XYZ(51.9140, 48.8676,
101.3040)

Have a look what the booklet for
XYZ(51.9140, 48.8676, 101.3040)
contains.

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Color

**XYZ(52.0505, 48.9765,
101.3178)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB4FF
RGB	175, 180, 255
RGB Percent	69%, 71%, 100%
CMY	0.3137, 0.2941, 0.0000
CMYK	0.31, 0.29, 0.00, 0.00
HSL	236°, 100%, 84%
HSV	236°, 31%, 100%
XYZ	52.0505, 48.9765, 101.3178
YIQ	187.0550, -27.0550, 22.2650

Conversions

Conversions Part 2

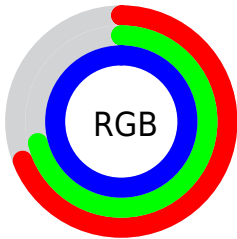
Format	Color
RYB	175, 180, 255
Decimal	11515135
CIELab	75.44, 14.95, -37.61
CIELCh	75, 40.469, 291.676
Yxy	48.9765, 0.2572, 0.2420
Android (android.graphics.Color)	4289705215 (0xFFAFB4FF)
YUV	187.0550, 33.4969, -10.5722
Hunter-Lab	69.9832, 10.2900, -36.8485

Details

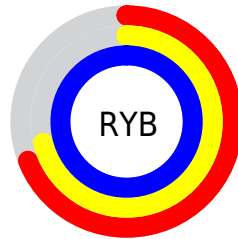
The XYZ color **52.0505, 48.9765, 101.3178** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1639, 92.7267, 54.0742**, and the grayscale version is **47.0944, 49.5470, 53.9567**.

A 20% lighter version of the original color is **81.3242, 84.3667, 106.6059**, and **25.5281, 23.2490, 56.5681** is the 20% darker color. If you saturate the color by 10%, you get **42.4413, 37.4666, 99.6026**, and if you desaturate by 10%, it is **63.5756, 62.7117, 103.3615**.

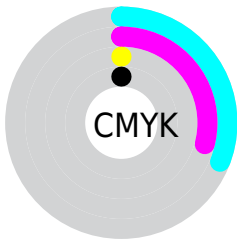
Distribution



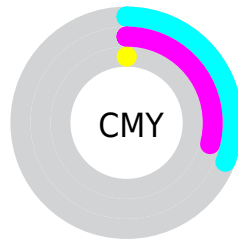
- Red (69%)
- Green (71%)
- Blue (100%)



- Red (69%)
- Yellow (71%)
- Blue (100%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0505, 48.9765, 101.3178 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 52.0505, 48.9765, 101.3178 by changing the saturation by 10% instead.

■ 52.0505, 48.9765,
101.3178

■ 52.0505, 48.9765,
101.3178

384.9523,
382.6498, 585.6922

■ 37.2698, 34.6008,
76.7785

■ 92.3795, 88.6566,
165.0346

■ 25.5911, 23.3556,
56.5607

118.6585,
114.7297, 205.0492

■ 16.6490, 14.8563,
40.2456

149.5009,
145.4709, 251.0594

■ 10.0783, 8.7186,
27.4148

185.2721,
181.2644, 303.4836

■ 5.5136, 4.5581,
17.6498

226.3375,
222.4946, 362.7405

■ 2.5895, 1.9904,
10.5321

273.0625,

■ 0.9406, 0.6019,

269.5460, 429.2485

5.6429

325.8123,
322.8029, 503.4262

■ 0.0000, 0.0000,
2.5640

■ 0.0000, 0.0000,
0.8738

■ 52.0505, 48.9765,
101.3178

■ 52.0505, 48.9765,
101.3178

■ 42.4413, 37.4666,
99.6026

■ 63.5756, 62.7117,
103.3615

■ 34.6399, 28.0597,
98.1981

■ 77.1080, 78.7750,
105.7488

■ 28.5342, 20.6301,
97.0858

■ 92.7387, 97.2694,
108.4948

■ 23.9977, 15.0362,
96.2452

■ 95.0500, 100.0000,
108.9000

■ 20.8864, 11.1178,
95.6529

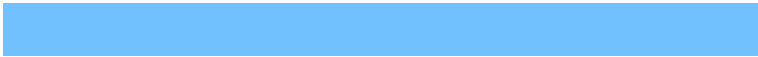
■ 19.0291, 8.6869,
95.2815

■ 18.2344, 7.5887,
95.1115

Harmonies

Analogous

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



44.5055, 48.9765, 105.1563



52.0505, 48.9765, 101.3178



58.7308, 48.9765, 83.0619

Triad

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



52.0505, 48.9765, 101.3178



56.0209, 48.9765, 27.1619



33.7550, 48.9765, 47.6000

Complementary

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



52.0505, 48.9765, 101.3178



83.1639, 92.7267, 54.0742

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.



36.1830, 48.9765, 31.6997



52.0505, 48.9765, 101.3178



48.6576, 48.9765, 22.1397

Square

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



52.0505, 48.9765, 101.3178



61.1881, 48.9765, 39.5513



41.4526, 48.9765, 23.5438



34.4563, 48.9765, 69.9792

Rectangle

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



52.0505, 48.9765, 101.3178



61.5330, 48.9765, 67.3081



41.4526, 48.9765, 23.5438



34.2221, 48.9765, 41.4300

Sweetspot

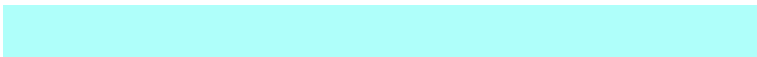
The Sweet Spot groups the original color and five complimentary colors.



52.0520, 48.9783, 101.3181



80.6212, 82.9366, 106.3669



70.6432, 87.5156, 103.3378



16.7918, 17.2018, 22.6852



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.



52.0520, 48.9783, 101.3181



45.4737, 41.1061, 100.1453



59.8649, 51.5345, 101.3997



17.0941, 17.5599, 22.7384



9.5624, 4.0344, 49.7093



0.9616, 0.4538, 4.8502

Inverse Universe

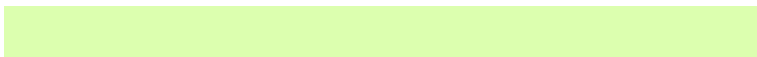
The Inverse Universe completely reimagines the original color for something new.



64.8093, 55.2169, 50.4240



60.1989, 48.4338, 41.3718



73.1149, 89.8833, 54.0550



18.0554, 18.0055, 18.9089



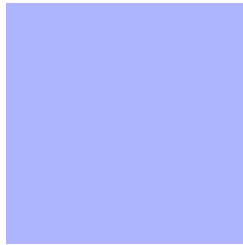
21.6149, 11.1352, 1.3564



2.1200, 1.0904, 0.2131

Previews

White Background



This preview shows how the XYZ color 52.0505, 48.9765, 101.3178 looks on a white background.

Color Contrast Check

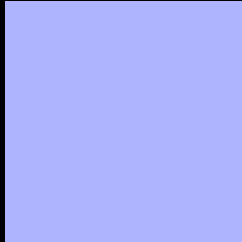
Large Text (above 18pt) WCAG AA × Fail

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 52.0505, 48.9765, 101.3178 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 52.0505, 48.9765, 101.3178

Background



This preview shows how black text looks on a background with the XYZ color 52.0505, 48.9765, 101.3178.



This preview shows how white text looks on a background with the XYZ color 52.0505, 48.9765,

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

52.0505, 48.9765, 101.3178

Protanopia

50.2933, 48.9795, 101.4110

Deuteranopia

50.1327, 48.9152, 100.5652



Tritanopia

44.7427, 49.1272, 64.8819

Trichromacy



Original Color

52.0505, 48.9765, 101.3178

Protanomaly

50.9264, 49.0007, 101.3817

Deuteranomaly

50.7658, 48.9365, 100.5360

Tritanomaly

47.0266, 48.7704, 76.7471

Monochromacy



Original Color

52.0505, 48.9765, 101.3178

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.5526, 49.1017, 69.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0505, 48.9765, 101.3178 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(175, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 180, 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(175, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.0505, 48.9765, 101.3178 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(175, 180, 255) }
```


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

```
.border{ border-color:rgb(175, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0505, 48.9765, 101.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 180, 255) }
```

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

```
.background{ background-color: rgb(175,  
180, 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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