

Converting Colors

XYZ(51.7370, 48.9351,
109.9865)

Have a look what the booklet for
XYZ(51.7370, 48.9351, 109.9865)
contains.

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Color

**XYZ(50.0909, 48.2671,
101.2841)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B5FF
RGB	165, 181, 255
RGB Percent	65%, 71%, 100%
CMY	0.3529, 0.2902, 0.0000
CMYK	0.35, 0.29, 0.00, 0.00
HSL	229°, 100%, 82%
HSV	229°, 35%, 100%
XYZ	50.0909, 48.2671, 101.2841
YIQ	184.6520, -33.2900, 19.6220

Conversions

Conversions Part 2

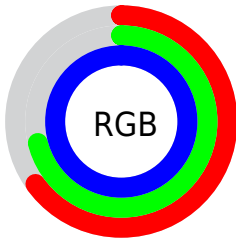
Format	Color
RYB	165, 179, 255
Decimal	10860031
CIELab	74.99, 11.66, -38.35
CIELCh	75, 40.084, 286.912
Yxy	48.2671, 0.2509, 0.2418
Android (android.graphics.Color)	4289050111 (0xFFA5B5FF)
YUV	184.6520, 34.6816, -17.2348
Hunter-Lab	69.4745, 7.1175, -37.8043

Details

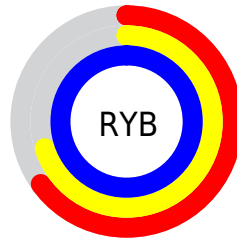
The XYZ color **50.0909, 48.2671, 101.2841** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78.8985, 85.7100, 47.9844**, and the grayscale version is **45.7491, 48.1316, 52.4153**.

A 20% lighter version of the original color is **78.4584, 83.3180, 106.5545**, and **24.3426, 22.8306, 56.5498** is the 20% darker color. If you saturate the color by 10%, you get **41.3590, 37.9068, 99.7446**, and if you desaturate by 10%, it is **60.5248, 60.4591, 103.0875**.

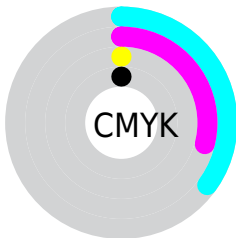
Distribution



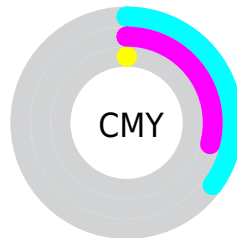
- Red (65%)
- Green (71%)
- Blue (100%)



- Red (65%)
- Yellow (70%)
- Blue (100%)



- Cyan (35%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0909, 48.2671, 101.2841 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 50.0909, 48.2671, 101.2841 by changing the saturation by 10% instead.

■ 50.0909, 48.2671,
101.2841

■ 50.0909, 48.2671,
101.2841

377.4674,
379.8499, 585.5836

■ 35.7037, 34.0385,
76.7505

■ 89.5006, 87.6020,
164.9880

■ 24.3745, 22.9231,
56.5378

■ 115.2538,
113.4770, 204.9953

■ 15.7379, 14.5368,
40.2274

145.5263,
144.0029, 250.9977

■ 9.4285, 8.4949,
27.4007

180.6836,
179.5641, 303.4136

■ 5.0811, 4.4132,
17.6393

221.0911,
220.5450, 362.6616

■ 2.3302, 1.9073,
10.5246

267.1139,

■ 0.8100, 0.5528,

267.3300, 429.1603

5.6380

319.1176,
320.3035, 503.3281

■ 0.0000, 0.0000,
2.5610

■ 0.0000, 0.0000,
0.8722

■ 50.0909, 48.2671,
101.2841

■ 50.0909, 48.2671,
101.2841

■ 41.3590, 37.9068,
99.7446

■ 60.5248, 60.4591,
103.0875

■ 34.2327, 29.2833,
98.4557

■ 72.7408, 74.5610,
105.1656

■ 28.6130, 22.3007,
97.4041

■ 86.8194, 90.6527,
107.5296

■ 24.3875, 16.8516,
96.5751

■ 95.0500, 100.0000,
108.9000

■ 21.4274, 12.8151,
95.9520

■ 19.5776, 10.0500,
95.5157

■ 19.0012, 9.1224,
95.3671

Harmonies

Analogous

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



42.7644, 48.2671, 102.3651



50.0909, 48.2671, 101.2841



56.9343, 48.2671, 85.1551

Triad

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



50.0909, 48.2671, 101.2841



56.1714, 48.2671, 28.2840



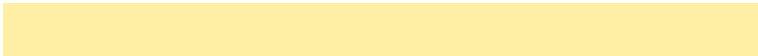
33.4948, 48.2671, 43.9501

Complementary

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



50.0909, 48.2671, 101.2841



78.8985, 85.7100, 47.9844

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.



36.3519, 48.2671, 29.5601



50.0909, 48.2671, 101.2841



49.1359, 48.2671, 22.2728

Square

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



50.0909, 48.2671, 101.2841



60.6924, 48.2671, 41.6859



41.9052, 48.2671, 22.6676



33.6921, 48.2671, 65.1653

Rectangle

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



50.0909, 48.2671, 101.2841



60.0699, 48.2671, 69.9871



41.9052, 48.2671, 22.6676



34.1158, 48.2671, 38.2877

Sweetspot

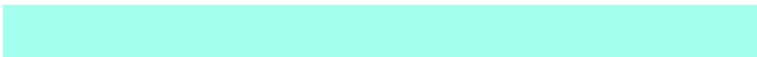
The Sweet Spot groups the original color and five complimentary colors.



50.0924, 48.2689, 101.2844



78.5516, 81.2204, 106.1447



66.7841, 85.7223, 94.3013



16.4124, 16.9257, 22.6519



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.



50.0924, 48.2689, 101.2844



44.0524, 41.1222, 100.2233



53.6265, 45.5353, 100.5705



17.2641, 17.8998, 22.7950



10.0036, 4.9167, 49.8564



1.0418, 0.6144, 4.8770

Inverse Universe

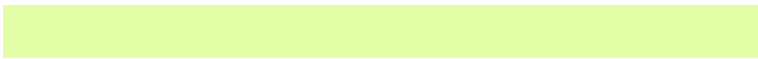
The Inverse Universe completely reimagines the original color for something new.



63.0367, 51.5080, 50.3375



58.7838, 45.1963, 42.1558



74.0733, 90.4867, 49.1607



18.1412, 18.0398, 19.3607



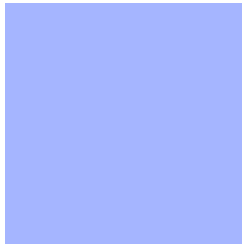
21.8375, 11.2243, 2.5290



2.1605, 1.1066, 0.4265

Previews

White Background



This preview shows how the XYZ color 50.0909, 48.2671, 101.2841 looks on a white background.

Color Contrast Check

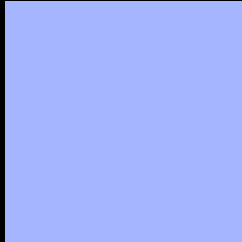
Large Text (above 18pt) WCAG AA × Fail

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 50.0909, 48.2671, 101.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

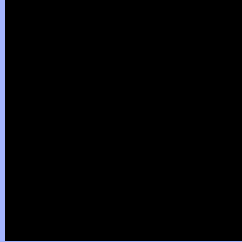
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0909, 48.2671, 101.2841

Background



This preview shows how black text looks on a background with the XYZ color 50.0909, 48.2671, 101.2841.



This preview shows how white text looks on a background with the XYZ color 50.0909, 48.2671,

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

50.0909, 48.2671, 101.2841

Protanopia

49.6782, 48.3573, 101.3233

Deuteranopia

49.4759, 48.2530, 101.3138



Tritanopia

42.8805, 48.1532, 65.4270

Trichromacy



Original Color

50.0909, 48.2671, 101.2841

Protanomaly

49.8822, 48.4624, 101.3329

Deuteranomaly

49.6782, 48.3573, 101.3233

Tritanomaly

45.3254, 48.1916, 77.4340

Monochromacy



Original Color

50.0909, 48.2671, 101.2841

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1334, 48.3991, 67.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0909, 48.2671, 101.2841 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(165, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 181, 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(165, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.0909, 48.2671, 101.2841 is called "border". The border property can be set on classes, ids or directly on the HTML element.

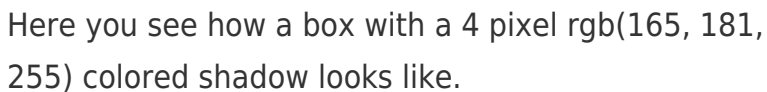
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 181, 255) }
```


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

```
.border{ border-color:rgb(165, 181, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 181, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 181, 255); box-shadow:4px 4px 4px 4px rgb(165, 181, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0909, 48.2671, 101.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 181, 255) }
```

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

```
.background{ background-color: rgb(165,  
181, 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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