

Converting Colors

XYZ(52.3008, 49.8872,
110.1037)

Have a look what the booklet for
XYZ(52.3008, 49.8872, 110.1037)
contains.

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Color

**XYZ(50.7094, 49.1940,
101.4305)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B7FF
RGB	166, 183, 255
RGB Percent	65%, 72%, 100%
CMY	0.3490, 0.2823, 0.0000
CMYK	0.35, 0.28, 0.00, 0.00
HSL	229°, 100%, 83%
HSV	229°, 35%, 100%
XYZ	50.7094, 49.1940, 101.4305
YIQ	186.1250, -33.2440, 18.7880

Conversions

Conversions Part 2

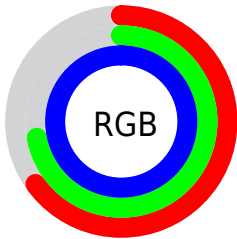
Format	Color
RYB	166, 180, 255
Decimal	10926079
CIELab	75.57, 10.82, -37.45
CIELCh	76, 38.978, 286.118
Yxy	49.1940, 0.2519, 0.2443
Android (android.graphics.Color)	4289116159 (0xFFA6B7FF)
YUV	186.1250, 33.9554, -17.6496
Hunter-Lab	70.1384, 6.3115, -36.6452

Details

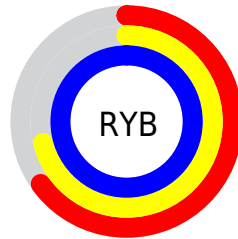
The XYZ color **50.7094, 49.1940, 101.4305** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.6980, 85.1627, 48.3685**, and the grayscale version is **46.5726, 48.9980, 53.3588**.

A 20% lighter version of the original color is **79.3479, 84.6410, 106.7630**, and **24.7312, 23.4220, 56.6435** is the 20% darker color. If you saturate the color by 10%, you get **41.9367, 38.8121, 99.8889**, and if you desaturate by 10%, it is **61.1685, 61.3731, 103.2300**.

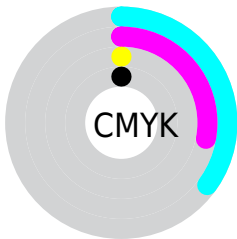
Distribution



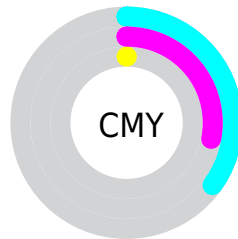
- Red (65%)
- Green (72%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7094, 49.1940, 101.4305 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 50.7094, 49.1940, 101.4305 by changing the saturation by 10% instead.

■ 50.7094, 49.1940,
101.4305

■ 50.7094, 49.1940,
101.4305

379.8400,
383.5056, 586.0551

■ 36.1975, 34.7734,
76.8722

■ 90.4106, 88.9795,
165.1906

■ 24.7576, 23.4884,
56.6371

■ 116.3306,
115.1132, 205.2295

■ 16.0243, 14.9545,
40.3065

146.7841,
145.9201, 251.2657

■ 9.6323, 8.7875,
27.4620

182.1363,
181.7845, 303.7178

■ 5.2162, 4.6028,
17.6850

222.7526,
223.0909, 363.0042

■ 2.4107, 2.0162,
10.5570

268.9985,

■ 0.8505, 0.6168,

270.2236, 429.5435

5.6594

321.2391,
323.5670, 503.7543

■ 0.0000, 0.0000,
2.5737

■ 0.0000, 0.0000,
0.8788

■ 50.7094, 49.1940,
101.4305

■ 50.7094, 49.1940,
101.4305

■ 41.9367, 38.8121,
99.8889

■ 61.1685, 61.3731,
103.2300

■ 34.7559, 30.1354,
98.5926

■ 73.3925, 75.4244,
105.2979

■ 29.0698, 23.0718,
97.5289

■ 87.4606, 91.4254,
107.6449

■ 24.7686, 17.5181,
96.6836

■ 95.0500, 100.0000,
108.9000

■ 21.7263, 13.3582,
96.0410

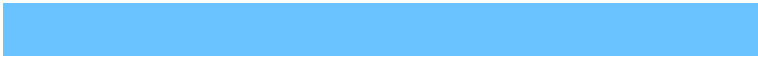
■ 19.7918, 10.4571,
95.5830

■ 19.1362, 9.3923,
95.4121

Harmonies

Analogous

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



43.5120, 49.1940, 102.0449



50.7094, 49.1940, 101.4305



57.4692, 49.1940, 86.0381

Triad

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



50.7094, 49.1940, 101.4305



57.0318, 49.1940, 29.7561



34.5578, 49.1940, 44.5983

Complementary

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



50.7094, 49.1940, 101.4305



78.6980, 85.1627, 48.3685

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.



37.4669, 49.1940, 30.5019



50.7094, 49.1940, 101.4305



50.1603, 49.1940, 23.5438

Square

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



50.7094, 49.1940, 101.4305



61.3677, 49.1940, 43.2880



43.0163, 49.1940, 23.7762



34.6722, 49.1940, 65.3495

Rectangle

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



50.7094, 49.1940, 101.4305



60.6018, 49.1940, 71.2842



43.0163, 49.1940, 23.7762



35.2005, 49.1940, 39.0544

Sweetspot

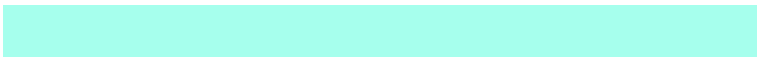
The Sweet Spot groups the original color and five complimentary colors.



50.7109, 49.1958, 101.4307



80.0514, 83.0174, 106.4125



66.8021, 85.7536, 93.3059



16.7157, 17.2927, 22.7068



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.



50.7109, 49.1958, 101.4307



44.3134, 41.6441, 100.3103



53.6036, 45.7923, 100.6213



17.2838, 17.9391, 22.8016



10.0786, 5.0668, 49.8814



1.0519, 0.6346, 4.8803

Inverse Universe

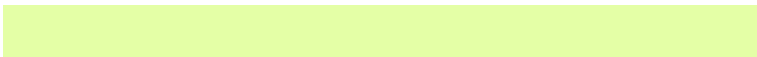
The Inverse Universe completely reimagines the original color for something new.



63.4245, 51.9529, 51.4867



58.9155, 45.2490, 42.8494



74.7338, 90.8166, 49.6688



18.1511, 18.0438, 19.4130



21.8754, 11.2395, 2.7284



2.1656, 1.1086, 0.4534

Previews

White Background



This preview shows how the XYZ color 50.7094, 49.1940, 101.4305 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 50.7094, 49.1940, 101.4305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

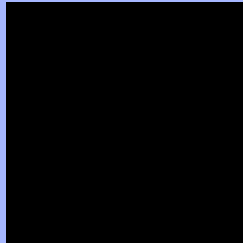
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7094, 49.1940, 101.4305

Background



This preview shows how black text looks on a background with the XYZ color 50.7094, 49.1940, 101.4305.



This preview shows how white text looks on a background with the XYZ color 50.7094, 49.1940,

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

50.7094, 49.1940, 101.4305

Protanopia

50.5005, 49.0863, 101.4207

Deuteranopia

50.2933, 48.9795, 101.4110



Tritanopia

43.6297, 49.1728, 66.2233

Trichromacy



Original Color

50.7094, 49.1940, 101.4305

Protanomaly

50.5005, 49.0863, 101.4207

Deuteranomaly

50.5005, 49.0863, 101.4207

Tritanomaly

45.9502, 49.1479, 77.5857

Monochromacy



Original Color

50.7094, 49.1940, 101.4305

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.6972, 48.9848, 68.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7094, 49.1940, 101.4305 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(166, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7094, 49.1940, 101.4305 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(166, 183, 255) }
```


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

```
.border{ border-color:rgb(166, 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(166, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7094, 49.1940, 101.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 183, 255) }
```

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

```
.background{ background-color: rgb(166,  
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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