

Converting Colors

XYZ(47.1809, 48.7707,
109.2333)

Have a look what the booklet for
XYZ(47.1809, 48.7707, 109.2333)
contains.

XYZ(45.7061, 48.1730, 101.4971)	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(45.7061, 48.1730,
101.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	85BCFF
RGB	133, 188, 255
RGB Percent	52%, 74%, 100%
CMY	0.4784, 0.2627, 0.0000
CMYK	0.48, 0.26, 0.00, 0.00
HSL	213°, 100%, 76%
HSV	213°, 48%, 100%
XYZ	45.7061, 48.1730, 101.4971
YIQ	179.1930, -54.2870, 9.1770

Conversions

Conversions Part 2

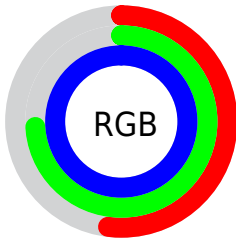
Format	Color
RYB	133, 171, 255
Decimal	8764671
CIELab	74.93, -0.23, -38.59
CIELCh	75, 38.590, 269.657
Yxy	48.1730, 0.2339, 0.2466
Android (android.graphics.Color)	4286954751 (0xFF85BCFF)
YUV	179.1930, 37.3729, -40.5113
Hunter-Lab	69.4068, -3.9151, -38.1181

Details

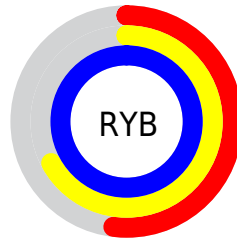
The XYZ color **45.7061, 48.1730, 101.4971** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1289, 64.2634, 31.1110**, and the grayscale version is **42.7798, 45.0077, 49.0133**.

A 20% lighter version of the original color is **71.8865, 82.9977, 106.8391**, and **21.6811, 22.8610, 56.6960** is the 20% darker color. If you saturate the color by 10%, you get **39.3102, 40.6489, 100.3819**, and if you desaturate by 10%, it is **53.3724, 56.7849, 102.7553**.

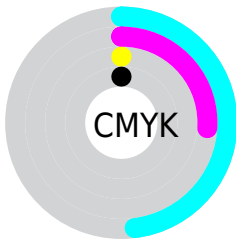
Distribution



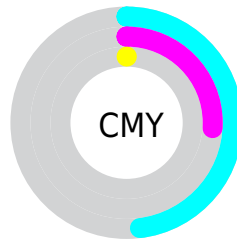
- Red (52%)
- Green (74%)
- Blue (100%)



- Red (52%)
- Yellow (67%)
- Blue (100%)



- Cyan (48%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7061, 48.1730, 101.4971 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 45.7061, 48.1730, 101.4971 by changing the saturation by 10% instead.

■ 45.7061, 48.1730,
101.4971

■ 45.7061, 48.1730,
101.4971

360.3616,
379.4774, 586.2695

■ 32.2176, 33.9639,
76.9276

■ 83.0095, 87.4619,
165.2828

■ 21.6841, 22.8659,
56.6822

■ 107.5552,
113.3106, 205.3361

■ 13.7403, 14.4945,
40.3425

■ 136.5173,
143.8078, 251.3877

■ 8.0207, 8.4654,
27.4899

170.2611,
179.3381, 303.8561

■ 4.1601, 4.3942,
17.7058

209.1522,
220.2858, 363.1600

■ 1.7931, 1.8964,
10.5717

253.5557,

■ 0.5135, 0.5462,

267.0354, 429.7179

5.6691

303.8370,
319.9711, 503.9482

■ 0.0000, 0.0000,
2.5794

■ 0.0000, 0.0000,
0.8818

■ 45.7061, 48.1730,
101.4971

■ 45.7061, 48.1730,
101.4971

■ 39.3102, 40.6489,
100.3819

■ 53.3724, 56.7849,
102.7553

■ 34.1000, 34.1539,
99.4028

■ 62.3772, 66.5285,
104.1614

■ 29.9867, 28.6303,
98.5535

■ 72.7889, 77.4513,
105.7210

■ 26.8647, 24.0102,
97.8263

■ 84.6693, 89.5962,
107.4390

■ 24.5953, 20.2082,
97.2120

95.0500, 100.0000,
108.9000

■ 24.1760, 19.4721,
97.0920

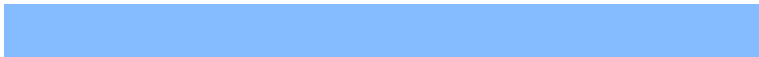
Harmonies

Analogous

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



39.2893, 48.1730, 93.4805



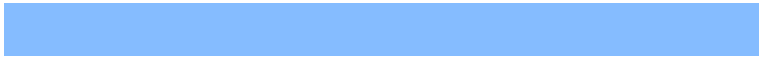
45.7061, 48.1730, 101.4971



52.8099, 48.1730, 93.8217

Triad

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



45.7061, 48.1730, 101.4971



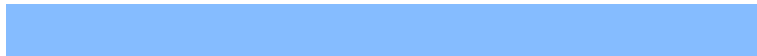
58.5733, 48.1730, 35.5271



35.0794, 48.1730, 35.2184

Complementary

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



45.7061, 48.1730, 101.4971



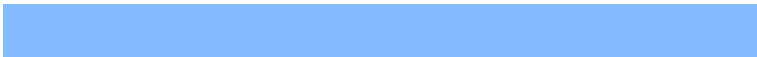
66.1289, 64.2634, 31.1110

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.



39.4161, 48.1730, 25.4807



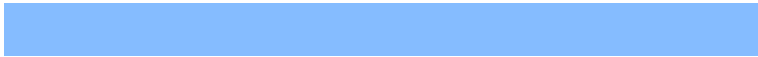
45.7061, 48.1730, 101.4971



52.9642, 48.1730, 25.6242

Square

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



45.7061, 48.1730, 101.4971



60.6855, 48.1730, 52.6844



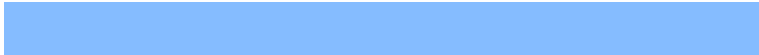
45.8680, 48.1730, 22.4726



33.5513, 48.1730, 52.2207

Rectangle

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



45.7061, 48.1730, 101.4971



56.8874, 48.1730, 81.7323



45.8680, 48.1730, 22.4726



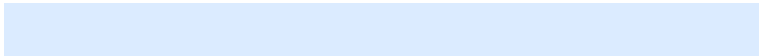
36.2336, 48.1730, 31.1622

Sweetspot

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



45.7076, 48.1747, 101.4973



77.1751, 81.9693, 106.3618



55.6348, 80.5874, 66.0907



15.9855, 16.9968, 22.6881



0.0000, 0.0000, 0.0000



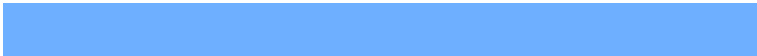
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7076, 48.1747, 101.4973



39.8013, 41.2413, 100.4704



36.7666, 29.3210, 98.3295



17.6774, 18.7263, 22.9328



12.7768, 10.4632, 50.7808



1.3513, 1.2333, 4.9801

Inverse Universe

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



58.7057, 41.6676, 52.5271



54.5335, 35.4386, 44.6145



79.7537, 93.7105, 36.0768



18.3498, 18.1232, 20.4591



23.2373, 11.7842, 9.9003



2.3167, 1.1691, 1.2491

Previews

White Background



This preview shows how the XYZ color 45.7061, 48.1730, 101.4971 looks on a white background.

Color Contrast Check

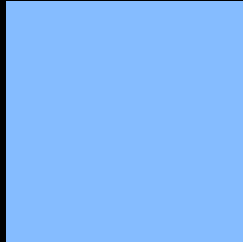
Large Text (above 18pt) WCAG AA × Fail

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 45.7061, 48.1730, 101.4971 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

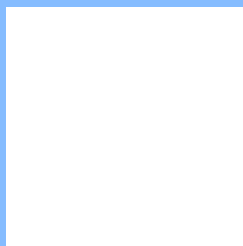
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7061, 48.1730, 101.4971

Background



This preview shows how black text looks on a background with the XYZ color 45.7061, 48.1730, 101.4971.



This preview shows how white text looks on a background with the XYZ color 45.7061, 48.1730,

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

45.7061, 48.1730, 101.4971

Protanopia

49.0890, 47.8424, 97.0897

Deuteranopia

49.2752, 48.1495, 101.3044



Tritanopia

39.3693, 48.2264, 69.5210

Trichromacy



Original Color

45.7061, 48.1730, 101.4971

Protanomaly

47.8480, 48.0816, 98.8543

Deuteranomaly

47.7682, 47.9850, 101.3521

Tritanomaly

41.5310, 48.1013, 80.4944

Monochromacy



Original Color

45.7061, 48.1730, 101.4971

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.8907, 45.6423, 65.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7061, 48.1730, 101.4971 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(133, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 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(133, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.7061, 48.1730, 101.4971 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(133, 188, 255) }
```


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

```
.border{ border-color:rgb(133, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7061, 48.1730, 101.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 188, 255) }
```

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

```
.background{ background-color: rgb(133,  
188, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor