

# Converting Colors

XYZ(48.1866, 48.8218,  
101.4916)

Have a look what the booklet for  
XYZ(48.1866, 48.8218, 101.4916)  
contains.

<b>XYZ(48.1866, 48.8218, 101.4916)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(48.1866, 48.8218,  
101.4916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96BAFF
RGB	150, 186, 255
RGB Percent	59%, 73%, 100%
CMY	0.4117, 0.2706, 0.0000
CMYK	0.41, 0.27, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 41%, 100%
XYZ	48.1866, 48.8218, 101.4916
YIQ	183.1020, -43.6050, 13.8270

# Conversions

## Conversions Part 2

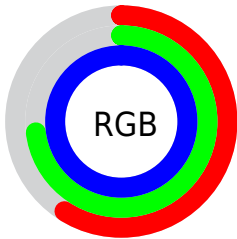
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">150, 177, 255</a>
Decimal	<a href="#">9878271</a>
CIELab	<a href="#">75.34, 4.98, -37.88</a>
CIELCh	<a href="#">75, 38.210, 277.487</a>
Yxy	<a href="#">48.8218, 0.2428, 0.2460</a>
Android (android.graphics.Color)	<a href="#">4288068351 (0xFF96BAFF)</a>
YUV	<a href="#">183.1020, 35.4457, -29.0305</a>
Hunter-Lab	<a href="#">69.8726, 0.8228, -37.2093</a>

# Details

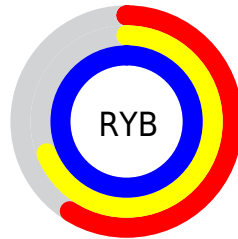
The XYZ color **48.1866, 48.8218, 101.4916** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.0774, 74.1262, 39.3651**, and the grayscale version is **44.8959, 47.2340, 51.4378**.

A 20% lighter version of the original color is **75.5343, 83.9897, 106.8383**, and **23.1967, 23.2320, 56.6877** is the 20% darker color. If you saturate the color by 10%, you get **40.6691, 40.0103, 100.1870**, and if you desaturate by 10%, it is **57.1421, 58.9912, 102.9825**.

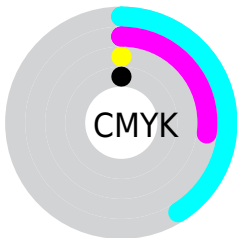
# Distribution



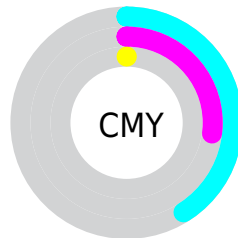
- Red (59%)
- Green (73%)
- Blue (100%)



- Red (59%)
- Yellow (69%)
- Blue (100%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1866, 48.8218, 101.4916 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 48.1866, 48.8218, 101.4916 by changing the saturation by 10% instead.



■ 48.1866, 48.8218,  
101.4916

■ 48.1866, 48.8218,  
101.4916

370.1016,  
382.0404, 586.2518

■ 34.1865, 34.4781,  
76.9230

■ 86.6902, 88.4267,  
165.2752

■ 23.2005, 23.2612,  
56.6785

■ 111.9244,  
114.4568, 205.3273

■ 14.8631, 14.7865,  
40.3395

141.6341,  
145.1511, 251.3776

■ 8.8091, 8.6697,  
27.4876

176.1846,  
180.8941, 303.8447

■ 4.6730, 4.5263,  
17.7041

215.9412,  
222.0701, 363.1472

■ 2.0895, 1.9721,  
10.5705

261.2694,

■ 0.6835, 0.5912,

269.0636, 429.7035

5.6683

312.5344,  
322.2588, 503.9322

■ 0.0000, 0.0000,  
2.5790

■ 0.0000, 0.0000,  
0.8816

■ 48.1866, 48.8218,  
101.4916

■ 48.1866, 48.8218,  
101.4916

■ 40.6691, 40.0103,  
100.1870

■ 57.1421, 58.9912,  
102.9825

■ 34.5038, 32.4883,  
99.0601

■ 67.6054, 70.5716,  
104.6662

■ 29.6024, 26.1890,  
98.1025

■ 79.6472, 83.6196,  
106.5501

■ 25.8629, 21.0360,  
97.3050

■ 93.3320, 98.1870,  
108.6406

■ 23.1648, 16.9418,  
96.6569

95.0500, 100.0000,  
108.9000

■ 21.4930, 14.1059,  
96.1977

# Harmonies

## Analogous

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



41.4204, 48.8218, 97.5145



48.1866, 48.8218, 101.4916



55.1214, 48.8218, 90.1522

# Triad

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



48.1866, 48.8218, 101.4916



57.9711, 48.8218, 32.9161



35.0080, 48.8218, 39.6770

# Complementary

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



48.1866, 48.8218, 101.4916



72.0774, 74.1262, 39.3651

# 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.



38.6573, 48.8218, 27.9873



48.1866, 48.8218, 101.4916



51.7714, 48.8218, 24.8268

# Square

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



48.1866, 48.8218, 101.4916



61.1296, 48.8218, 48.2742



44.6652, 48.8218, 23.2836



34.2557, 48.8218, 58.3619



# Rectangle

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



48.1866, 48.8218, 101.4916



58.7548, 48.8218, 76.7861



44.6652, 48.8218, 23.2836



35.9174, 48.8218, 34.9556

# Sweetspot

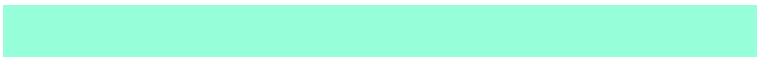
The Sweet Spot groups the original color and five complimentary colors.



48.1881, 48.8236, 101.4918



78.5918, 82.4858, 106.3869



61.0264, 83.0796, 79.3220



16.4693, 17.2758, 22.7165



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.



48.1881, 48.8236, 101.4918



42.1860, 41.8146, 100.4553



44.6315, 37.1147, 99.4193



17.5121, 18.3959, 22.8777



11.3548, 7.6191, 50.3068



1.2025, 0.9357, 4.9305



# Inverse Universe

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



61.0104, 46.6196, 52.2389



56.7614, 40.2514, 44.2569



76.9467, 92.1166, 42.5810



18.2664, 18.0899, 20.0200



22.5196, 11.4971, 6.1204



2.2416, 1.1390, 0.8536



# Previews

## White Background



This preview shows how the XYZ color 48.1866, 48.8218, 101.4916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

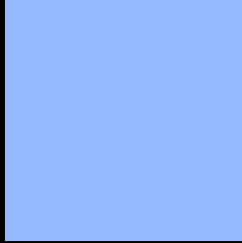
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.1866, 48.8218, 101.4916 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

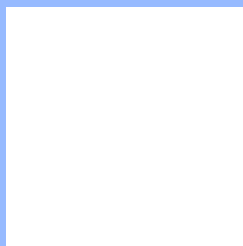
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 48.1866, 48.8218, 101.4916

## Background



This preview shows how black text looks on a background with the XYZ color 48.1866, 48.8218, 101.4916.



This preview shows how white text looks on a background with the XYZ color 48.1866, 48.8218,



# 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

48.1866, 48.8218, 101.4916

### Protanopia

50.0212, 48.8946, 98.8967

### Deuteranopia

49.8838, 48.7684, 101.3918



## Tritanopia

41.4059, 48.6400, 68.1789

# Trichromacy



## Original Color

48.1866, 48.8218, 101.4916

## Protanomaly

49.3673, 48.8464, 99.7549

## Deuteranomaly

49.2910, 48.7701, 101.4234

## Tritanomaly

43.5136, 48.5034, 79.0202

# Monochromacy



## Original Color

48.1866, 48.8218, 101.4916

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.4437, 47.5424, 67.1031

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1866, 48.8218, 101.4916 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(150, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 186, 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(150, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 186, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1866, 48.8218, 101.4916 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(150, 186, 255) }
```



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

```
.border{ border-color:rgb(150, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 186,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1866, 48.8218, 101.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 186, 255) }
```

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

```
.background{ background-color: rgb(150,  
186, 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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