

Converting Colors

XYZ(48.4423, 48.5032,
101.4166)

Have a look what the booklet for
XYZ(48.4423, 48.5032, 101.4166)
contains.

XYZ(48.5358, 48.6902, 101.4478)	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(48.5358, 48.6902,
101.4478)**

Conversions

Conversions Part 1

Format	Color
Hex	99B9FF
RGB	153, 185, 255
RGB Percent	60%, 73%, 100%
CMY	0.4000, 0.2745, 0.0000
CMYK	0.40, 0.27, 0.00, 0.00
HSL	221°, 100%, 80%
HSV	221°, 40%, 100%
XYZ	48.5358, 48.6902, 101.4478
YIQ	183.4120, -41.5420, 14.9860

Conversions

Conversions Part 2

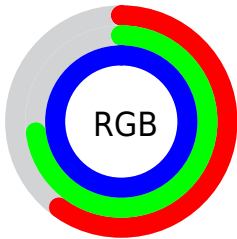
Format	Color
R_{YB}	153, 177, 255
Decimal	10074623
CIE _{Lab}	75.26, 6.29, -38.00
CIE _{LCh}	75, 38.516, 279.405
Yxy	48.6902, 0.2443, 0.2451
Android (android.graphics.Color)	4288264703 (0xFF99B9FF)
YUV	183.4120, 35.2929, -26.6713
Hunter-Lab	69.7784, 2.0473, -37.3544

Details

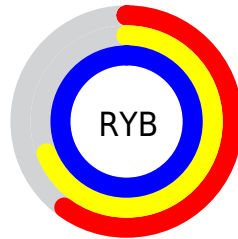
The XYZ color **48.5358, 48.6902, 101.4478** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.3781, 76.3361, 41.0058**, and the grayscale version is **45.0657, 47.4127, 51.6324**.

A 20% lighter version of the original color is **76.0836, 83.8322, 106.7789**, and **23.3741, 23.1211, 56.6570** is the 20% darker color. If you saturate the color by 10%, you get **40.7888, 39.5930, 100.1002**, and if you desaturate by 10%, it is **57.7648, 59.2223, 102.9943**.

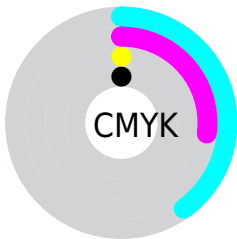
Distribution



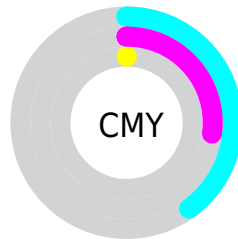
- Red (60%)
- Green (73%)
- Blue (100%)



- Red (60%)
- Yellow (69%)
- Blue (100%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5358, 48.6902, 101.4478 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 48.5358, 48.6902, 101.4478 by changing the saturation by 10% instead.

■ 48.5358, 48.6902,
101.4478

■ 48.5358, 48.6902,
101.4478

371.4593,
381.5214, 586.1108

■ 34.4644, 34.3738,
76.8866

■ 87.2065, 88.2312,
165.2146

■ 23.4152, 23.1809,
56.6488

■ 112.5365,
114.2245, 205.2572

■ 15.0227, 14.7271,
40.3159

142.3501,
144.8789, 251.2974

■ 8.9218, 8.6281,
27.4692

177.0127,
180.5789, 303.7537

■ 4.7469, 4.4994,
17.6904

216.8895,
221.7087, 363.0447

■ 2.1328, 1.9567,
10.5608

262.3460,

■ 0.7069, 0.5821,

268.6528, 429.5888

5.6619

313.7475,
321.7956, 503.8047

■ 0.0000, 0.0000,
2.5752

■ 0.0000, 0.0000,
0.8796

■ 48.5358, 48.6902,
101.4478

■ 48.5358, 48.6902,
101.4478

■ 40.7888, 39.5930,
100.1002

■ 57.7648, 59.2223,
102.9943

■ 34.4368, 31.8587,
98.9421

■ 68.5470, 71.2460,
104.7468

■ 29.3904, 25.4166,
97.9646

■ 80.9543, 84.8212,
106.7131

■ 25.5466, 20.1861,
97.1576

■ 95.0500, 100.0000,
108.9000

■ 22.7848, 16.0758,
96.5098

■ 20.9190, 12.9578,
96.0063

■ 20.9187, 12.9574,
96.0062

Harmonies

Analogous

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



41.6595, 48.6902, 98.4494



48.5358, 48.6902, 101.4478



55.4557, 48.6902, 89.1468

Triad

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



48.5358, 48.6902, 101.4478



57.5973, 48.6902, 31.9422



34.6838, 48.6902, 40.4657

Complementary

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



48.5358, 48.6902, 101.4478



73.3781, 76.3361, 41.0058

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.



38.1742, 48.6902, 28.2639



48.5358, 48.6902, 101.4478



51.2271, 48.6902, 24.2838

Square

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



48.5358, 48.6902, 101.4478



61.0274, 48.6902, 46.9043



44.0924, 48.6902, 23.1349



34.1208, 48.6902, 59.6354

Rectangle

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



48.5358, 48.6902, 101.4478



58.9944, 48.6902, 75.4023



44.0924, 48.6902, 23.1349



35.5353, 48.6902, 35.5661

Sweetspot

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



48.5373, 48.6920, 101.4480



78.3374, 81.9769, 106.3020



62.1767, 83.6043, 82.4613



16.4097, 17.1565, 22.6966



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.



48.5373, 48.6920, 101.4480



42.2228, 41.2999, 100.3540



46.3902, 38.7410, 99.6405



17.4680, 18.3075, 22.8630



11.0474, 7.0044, 50.2043



1.1685, 0.8676, 4.9192

Inverse Universe

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



61.3892, 47.5468, 51.8426



56.9236, 40.8660, 43.4159



76.2022, 91.7045, 43.8233



18.2441, 18.0810, 19.9026



22.3644, 11.4351, 5.3035



2.2244, 1.1321, 0.7631

Previews

White Background



This preview shows how the XYZ color 48.5358, 48.6902, 101.4478 looks on a white background.

Color Contrast Check

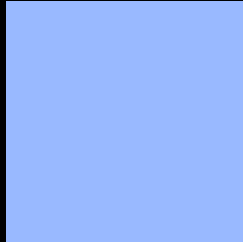
Large Text (above 18pt) WCAG AA × Fail

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 48.5358, 48.6902, 101.4478 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 48.5358, 48.6902, 101.4478

Background



This preview shows how black text looks on a background with the XYZ color 48.5358, 48.6902, 101.4478.



This preview shows how white text looks on a background with the XYZ color 48.5358, 48.6902,

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

48.5358, 48.6902, 101.4478

Protanopia

49.7674, 48.4403, 99.6554

Deuteranopia

49.8838, 48.7684, 101.3918



Tritanopia

41.7849, 48.8497, 67.5482

Trichromacy



Original Color

48.5358, 48.6902, 101.4478

Protanomaly

49.3201, 48.4963, 100.5272

Deuteranomaly

49.4886, 48.8719, 101.4326

Tritanomaly

44.0353, 48.7723, 79.0446

Monochromacy



Original Color

48.5358, 48.6902, 101.4478

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6624, 47.6551, 67.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5358, 48.6902, 101.4478 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(153, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 185, 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(153, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.5358, 48.6902, 101.4478 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(153, 185, 255) }
```


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

```
.border{ border-color:rgb(153, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5358, 48.6902, 101.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 185, 255) }
```

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

```
.background{ background-color: rgb(153,  
185, 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