

Converting Colors

XYZ(49.9998, 39.3466,
109.4064)

Have a look what the booklet for
XYZ(49.9998, 39.3466, 109.4064)
contains.

XYZ(48.0888, 38.6600, 99.5353)	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(48.0888, 38.6600,
99.5353)**

Conversions

Conversions Part 1

Format	Color
Hex	B695FF
RGB	182, 149, 255
RGB Percent	71%, 58%, 100%
CMY	0.2863, 0.4157, 0.0000
CMYK	0.29, 0.42, 0.00, 0.00
HSL	259°, 100%, 79%
HSV	259°, 42%, 100%
XYZ	48.0888, 38.6600, 99.5353
YIQ	170.9510, -14.3580, 39.9620

Conversions

Conversions Part 2

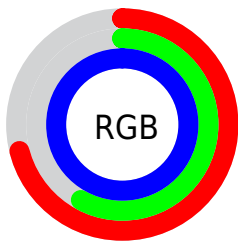
Format	Color
R_{YB}	182, 149, 255
Decimal	11965951
CIE _{Lab}	68.50, 34.18, -48.41
CIE _{LCh}	69, 59.256, 305.222
Yxy	38.6600, 0.2581, 0.2075
Android (android.graphics.Color)	4290156031 (0xFFB695FF)
YUV	170.9510, 41.4362, 9.6900
Hunter-Lab	62.1772, 29.2447, -51.3894

Details

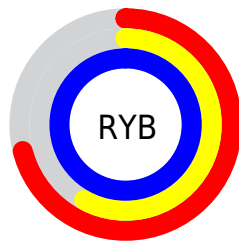
The XYZ color **48.0888, 38.6600, 99.5353** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.3094, 89.2197, 41.8979**, and the grayscale version is **38.4891, 40.4935, 44.0975**.

A 20% lighter version of the original color is **75.3411, 68.4571, 103.8504**, and **23.1649, 17.2482, 55.5344** is the 20% darker color. If you saturate the color by 10%, you get **40.5968, 29.4508, 98.1526**, and if you desaturate by 10%, it is **56.9867, 49.9064, 101.2371**.

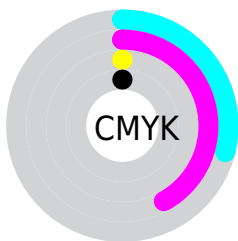
Distribution



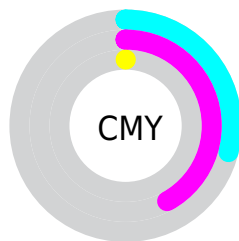
- Red (71%)
- Green (58%)
- Blue (100%)



- Red (71%)
- Yellow (58%)
- Blue (100%)



- Cyan (29%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0888, 38.6600, 99.5353 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 48.0888, 38.6600, 99.5353 by changing the saturation by 10% instead.

48.0888, 38.6600,
99.5353

48.0888, 38.6600,
99.5353

369.7207,
340.4428, 579.9357

34.1088, 26.4953,
75.2978

86.5455, 73.1186,
162.5647

23.1404, 17.1946,
55.3537

111.7529, 96.1814,
202.1937

14.8185, 10.3733,
39.2845

141.4334,
123.6456, 247.7903

8.7776, 5.6472,
26.6716

175.9524,
155.8957, 299.7730

4.6523, 2.6317,
17.0964

215.6753,
193.3161, 358.5603

2.0774, 0.9427,
10.1406

260.9674,

0.6769, 0.0000,

236.2911, 424.5709

5.3855

312.1941,
285.2052, 498.2232

■ 0.0000, 0.0000,
2.4125

■ 0.0000, 0.0000,
0.7932

■ 48.0888, 38.6600,
99.5353

■ 48.0888, 38.6600,
99.5353

■ 40.5968, 29.4508,
98.1526

■ 56.9867, 49.9064,
101.2371

■ 34.4292, 22.1480,
97.0681

■ 67.3576, 63.3011,
103.2759

■ 29.5019, 16.6123,
96.2593

■ 79.2691, 78.9519,
105.6691

■ 25.7180, 12.6822,
95.7002

■ 92.7829, 96.9582,
108.4324

■ 22.9639, 10.1651,
95.3595

95.0500, 100.0000,
108.9000

■ 21.3069, 8.8990,
95.2024

Harmonies

Analogous

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



38.4015, 38.6600, 116.7525



48.0888, 38.6600, 99.5353



55.5508, 38.6600, 67.4970

Triad

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



48.0888, 38.6600, 99.5353



44.7853, 38.6600, 10.5626



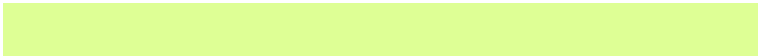
21.6233, 38.6600, 46.9434

Complementary

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



48.0888, 38.6600, 99.5353



71.3094, 89.2197, 41.8979

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.



22.7494, 38.6600, 24.0294



48.0888, 38.6600, 99.5353



35.1371, 38.6600, 8.8662

Square

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



48.0888, 38.6600, 99.5353



53.4286, 38.6600, 18.8778



27.3424, 38.6600, 12.5334



23.9557, 38.6600, 79.2066

Rectangle

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



48.0888, 38.6600, 99.5353



57.6699, 38.6600, 46.5191



27.3424, 38.6600, 12.5334



21.6148, 38.6600, 37.9591

Sweetspot

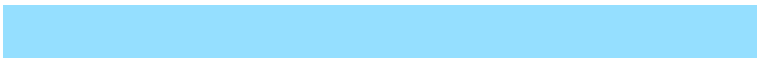
The Sweet Spot groups the original color and five complimentary colors.



48.0901, 38.6614, 99.5355



78.7209, 78.2266, 105.5579



56.8865, 66.4927, 104.4439



16.4992, 16.2808, 22.5228



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.



48.0901, 38.6614, 99.5355



41.6815, 30.7649, 98.3491



62.6643, 46.1747, 100.2176



17.5350, 17.6520, 22.7329



11.2674, 4.7190, 49.7516



1.2037, 0.5144, 4.8491

Inverse Universe

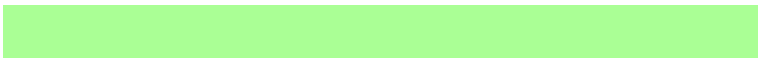
The Inverse Universe completely reimagines the original color for something new.



65.1729, 48.0299, 74.9433



61.1992, 41.4903, 69.2791



57.8065, 82.2587, 41.2660



18.5378, 18.1984, 21.4491



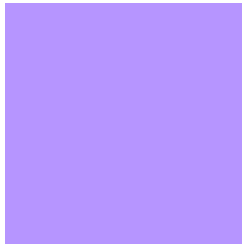
25.6937, 12.7668, 22.8355



2.5509, 1.2627, 2.4826

Previews

White Background



This preview shows how the XYZ color 48.0888, 38.6600, 99.5353 looks on a white background.

Color Contrast Check

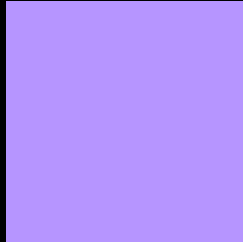
Large Text (above 18pt) WCAG AA × Fail

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 48.0888, 38.6600, 99.5353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

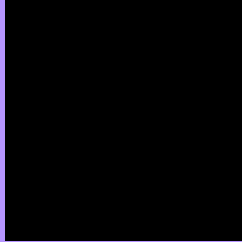
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0888, 38.6600, 99.5353

Background



This preview shows how black text looks on a background with the XYZ color 48.0888, 38.6600, 99.5353.



This preview shows how white text looks on a background with the XYZ color 48.0888, 38.6600,

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

48.0888, 38.6600, 99.5353

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.9509, 38.8267, 96.6554



Tritanopia

37.7093, 38.7426, 48.1384

Trichromacy



Original Color

48.0888, 38.6600, 99.5353

Protanomaly

43.2106, 38.5956, 99.7800

Deuteranomaly

42.3542, 38.4658, 97.2878

Tritanomaly

40.8465, 38.4173, 64.2939

Monochromacy



Original Color

48.0888, 38.6600, 99.5353

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.4371, 39.5726, 61.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0888, 38.6600, 99.5353 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(182, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 149, 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(182, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.0888, 38.6600, 99.5353 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(182, 149, 255) }
```


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

```
.border{ border-color:rgb(182, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0888, 38.6600, 99.5353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 149, 255) }
```

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

```
.background{ background-color: rgb(182,  
149, 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