

Converting Colors

XYZ(49.4234, 38.7453, 95.3249)

Have a look what the booklet for
XYZ(49.4234, 38.7453, 95.3249)
contains.

XYZ(49.5265, 38.7974, 95.3208)	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(49.5265, 38.7974,
95.3208)**

Conversions

Conversions Part 1

Format	Color
Hex	C192FA
RGB	193, 146, 250
RGB Percent	76%, 57%, 98%
CMY	0.2431, 0.4274, 0.0196
CMYK	0.23, 0.42, 0.00, 0.02
HSL	267°, 91%, 78%
HSV	267°, 42%, 98%
XYZ	49.5265, 38.7974, 95.3208
YIQ	171.9090, -5.3720, 42.3080

Conversions

Conversions Part 2

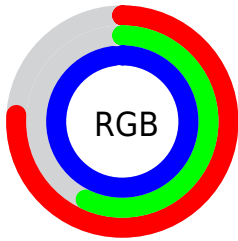
Format	Color
R _{YB}	193, 146, 250
Decimal	12686074
CIE _{Lab}	68.60, 37.68, -45.46
CIE _{LCh}	69, 59.040, 309.653
Yxy	38.7974, 0.2697, 0.2113
Android (android.graphics.Color)	4290876154 (0xFFC192FA)
YUV	171.9090, 38.4989, 18.4968
Hunter-Lab	62.2876, 32.9269, -47.1322

Details

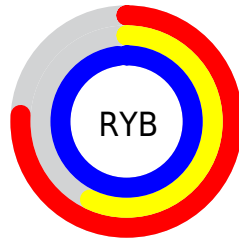
The XYZ color **49.5265, 38.7974, 95.3208** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.0036, 83.1440, 39.8707**, and the grayscale version is **38.9815, 41.0115, 44.6616**.

A 20% lighter version of the original color is **78.7203, 69.5025, 103.8741**, and **23.9449, 17.1740, 52.5050** is the 20% darker color. If you saturate the color by 10%, you get **42.7533, 30.1974, 94.0185**, and if you desaturate by 10%, it is **57.4688, 49.2524, 96.9209**.

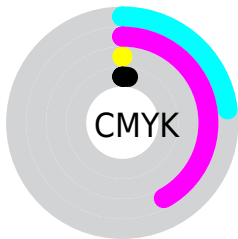
Distribution



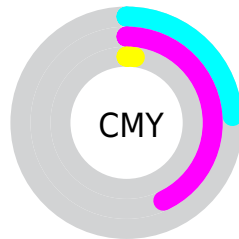
- Red (76%)
- Green (57%)
- Blue (98%)



- Red (76%)
- Yellow (57%)
- Blue (98%)



- Cyan (23%)
- Magenta (42%)
- Yellow (0%)
- Black (2%)





- Cyan (24%)
- Magenta (43%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5265, 38.7974, 95.3208 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 49.5265, 38.7974, 95.3208 by changing the saturation by 10% instead.


 49.5265, 38.7974,
95.3208

 49.5265, 38.7974,
95.3208

375.2940,
341.0284, 566.2020

 35.2536, 26.6022,
71.8036

 88.6689, 73.3287,
156.7071

 24.0257, 17.2747,
52.5124


 114.2692, 96.4336,
195.4134

 15.4775, 10.4305,
37.0286

144.3759,
123.9438, 240.0197

 9.2437, 5.6853,
24.9337

179.3544,
156.2437, 290.9447

 4.9589, 2.6547,
15.8091

219.5702,
193.7177, 348.6069

 2.2577, 0.9542,
9.2363

265.3884,

 0.7729, 0.0000,

236.7502, 413.4248

4.7967

317.1746,
285.7256, 485.8170

■ 0.0000, 0.0000,
2.0718

■ 0.0000, 0.0000,
0.5989

■ 49.5265, 38.7974,
95.3208

■ 49.5265, 38.7974,
95.3208

■ 42.7533, 30.1974,
94.0185

■ 57.4688, 49.2524,
96.9209

■ 37.0806, 23.3323,
92.9924

■ 66.6347, 61.6630,
98.8333

■ 32.4385, 18.0746,
92.2222

■ 77.0803, 76.1280,
101.0748

■ 28.7461, 14.2764,
91.6837

■ 88.8567, 92.7381,
103.6601

■ 25.9073, 11.7605,
91.3477

■ 94.2554, 99.6822,
104.7159

■ 24.0631, 10.4117,
91.1845

Harmonies

Analogous

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



39.9613, 38.7974, 115.6720



49.5265, 38.7974, 95.3208



56.3466, 38.7974, 62.7063

Triad

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



49.5265, 38.7974, 95.3208



43.4603, 38.7974, 10.0927



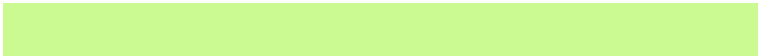
21.8872, 38.7974, 51.4419

Complementary

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



49.5265, 38.7974, 95.3208



64.0036, 83.1440, 39.8707

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.



22.5031, 38.7974, 26.8010



49.5265, 38.7974, 95.3208



33.9533, 38.7974, 9.1697

Square

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



49.5265, 38.7974, 95.3208



52.4555, 38.7974, 17.2376



26.5866, 38.7974, 13.7799



24.7337, 38.7974, 84.1585

Rectangle

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



49.5265, 38.7974, 95.3208



57.8417, 38.7974, 42.5550



26.5866, 38.7974, 13.7799



21.7088, 38.7974, 41.9341

Sweetspot

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



49.5279, 38.7989, 95.3217



80.1501, 78.9634, 105.6248



50.5139, 55.8210, 98.5553



16.8345, 16.4536, 22.5385



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.



49.5279, 38.7989, 95.3217



45.7407, 32.8575, 98.5391



65.1217, 46.8378, 96.0515



17.0280, 17.0271, 21.7744



12.9244, 5.6054, 48.3743



1.3173, 0.5812, 4.4859

Inverse Universe

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



60.4839, 45.1950, 62.0369



59.0157, 40.6169, 57.7811



52.1748, 77.0460, 39.3172



17.6427, 17.3844, 19.9740



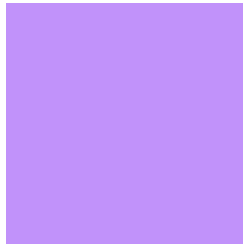
23.3813, 11.7683, 13.9824



2.2190, 1.1113, 1.5765

Previews

White Background



This preview shows how the XYZ color 49.5265, 38.7974, 95.3208 looks on a white background.

Color Contrast Check

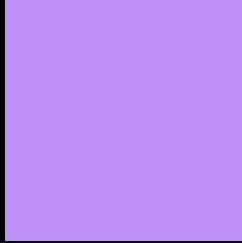
Large Text (above 18pt) WCAG AA × Fail

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 49.5265, 38.7974, 95.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

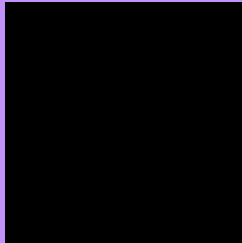
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5265, 38.7974, 95.3208

Background



This preview shows how black text looks on a background with the XYZ color 49.5265, 38.7974, 95.3208.



This preview shows how white text looks on a background with the XYZ color 49.5265, 38.7974,

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

49.5265, 38.7974, 95.3208

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.1023, 38.9946, 92.6019



Tritanopia

39.4806, 38.6391, 45.9347

Trichromacy



Original Color

49.5265, 38.7974, 95.3208

Protanomaly

43.6668, 38.6135, 98.0802

Deuteranomaly

42.7042, 38.4802, 93.1724

Tritanomaly

42.5567, 38.3555, 61.0375

Monochromacy



Original Color

49.5265, 38.7974, 95.3208

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.3449, 40.0678, 60.1456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5265, 38.7974, 95.3208 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(193, 146, 250)` looks like.

```
.text, #text, p{  
    color:rgb(193, 146, 250)  
}
```

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(193, 146, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 146, 250) }
```

Border

The CSS property to change the border of an element to XYZ 49.5265, 38.7974, 95.3208 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(193, 146, 250) }
```


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

```
.border{ border-color:rgb(193, 146, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 146, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 146, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 146, 250);  
box-shadow:4px 4px 4px 4px rgb(193, 146,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5265, 38.7974, 95.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 146, 250) }
```

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

```
.background{ background-color: rgb(193,  
146, 250) }
```

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