

Converting Colors

XYZ(53.8527, 41.5231,
109.5727)

Have a look what the booklet for
XYZ(53.8527, 41.5231, 109.5727)
contains.

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Color

**XYZ(51.8234, 40.5852,
99.7101)**

Conversions

Conversions Part 1

Format	Color
Hex	C595FF
RGB	197, 149, 255
RGB Percent	77%, 58%, 100%
CMY	0.2274, 0.4157, 0.0000
CMYK	0.23, 0.42, 0.00, 0.00
HSL	267°, 100%, 79%
HSV	267°, 42%, 100%
XYZ	51.8234, 40.5852, 99.7101
YIQ	175.4360, -5.4180, 43.1420

Conversions

Conversions Part 2

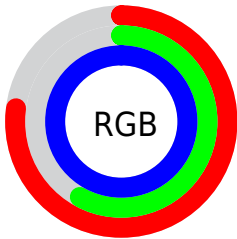
Format	Color
R_{YB}	197, 149, 255
Decimal	12948991
CIE _{Lab}	69.88, 38.28, -46.14
CIE _{LCh}	70, 59.956, 309.683
Yxy	40.5852, 0.2697, 0.2113
Android (android.graphics.Color)	4291139071 (0xFFC595FF)
YUV	175.4360, 39.2251, 18.9116
Hunter-Lab	63.7065, 33.7182, -48.2030

Details

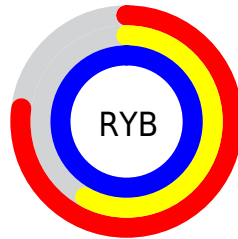
The XYZ color **51.8234, 40.5852, 99.7101** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.9174, 86.9555, 41.6925**, and the grayscale version is **40.7796, 42.9034, 46.7218**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **25.4522, 18.2893, 55.6148** is the 20% darker color. If you saturate the color by 10%, you get **44.7360, 31.5847, 98.3463**, and if you desaturate by 10%, it is **60.1348, 51.5294, 101.3845**.

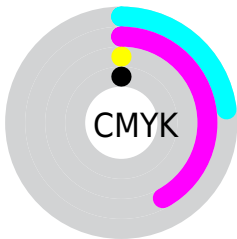
Distribution



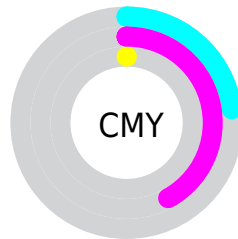
- Red (77%)
- Green (58%)
- Blue (100%)



- Red (77%)
- Yellow (58%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8234, 40.5852, 99.7101 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 51.8234, 40.5852, 99.7101 by changing the saturation by 10% instead.


 51.8234, 40.5852,
99.7101


 51.8234, 40.5852,
99.7101


384.0896,
348.5840, 580.5016

 37.0880, 27.9951,
75.4429

 92.0465, 76.0538,
162.8071

 25.4496, 18.3220,
55.4719

 118.2650, 99.7011,
202.4741

 16.5429, 11.1814,
39.3785


149.0418,
127.8030, 248.1113

 10.0024, 6.1890,
26.7442

184.7424,
160.7437, 300.1375

 5.4628, 2.9603,
17.1505

225.7322,
198.9078, 358.9710

 2.5588, 1.1111,
10.1788

272.3764,

 0.9250, 0.0000,

242.6796, 425.0305

5.4105

325.0404,
292.4436, 498.7345

■ 0.0000, 0.0000,
2.4271

■ 0.0000, 0.0000,
0.8012

■ 51.8234, 40.5852,
99.7101

■ 51.8234, 40.5852,
99.7101

■ 44.7360, 31.5847,
98.3463

■ 60.1348, 51.5294,
101.3845

■ 38.8012, 24.4019,
97.2727

■ 69.7278, 64.5230,
103.3869

■ 33.9455, 18.9030,
96.4673

■ 80.6612, 79.6696,
105.7342

■ 30.0839, 14.9329,
95.9045

■ 92.9884, 97.0643,
108.4420

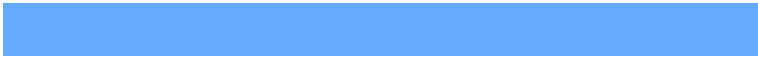
■ 27.1157, 12.3055, 95.0500, 100.0000,
95.5538 108.9000

■ 25.1827, 10.8970,
95.3838

Harmonies

Analogous

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



41.8141, 40.5852, 121.0330



51.8234, 40.5852, 99.7101



58.9566, 40.5852, 65.5713

Triad

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



51.8234, 40.5852, 99.7101



45.4556, 40.5852, 10.5466



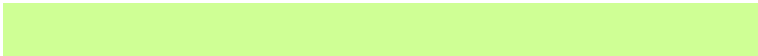
22.8919, 40.5852, 53.8476

Complementary

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



51.8234, 40.5852, 99.7101



66.9174, 86.9555, 41.6925

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.



23.5327, 40.5852, 28.0500



51.8234, 40.5852, 99.7101



35.5077, 40.5852, 9.5866

Square

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



51.8234, 40.5852, 99.7101



54.8719, 40.5852, 18.0129



27.8020, 40.5852, 14.4157



25.8739, 40.5852, 88.0913

Rectangle

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



51.8234, 40.5852, 99.7101



60.5169, 40.5852, 44.4881



27.8020, 40.5852, 14.4157



22.7041, 40.5852, 43.8940

Sweetspot

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



51.8247, 40.5868, 99.7103



80.1595, 78.9682, 105.6253



52.8311, 58.3819, 103.0921



16.8367, 16.4548, 22.5386



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.



51.8247, 40.5868, 99.7103



45.7689, 32.8720, 98.5404



68.1150, 48.9847, 100.4727



17.7843, 17.7805, 22.7446



13.3253, 5.7799, 49.8479



1.4213, 0.6266, 4.8593

Inverse Universe

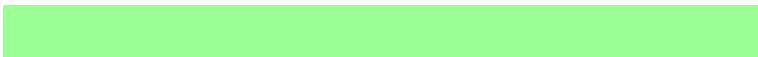
The Inverse Universe completely reimagines the original color for something new.



63.2506, 47.2611, 64.8206



59.0023, 40.6115, 57.7105



54.5694, 80.5899, 41.1146



18.4252, 18.1534, 20.8564



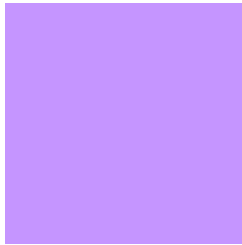
24.0804, 12.1214, 14.3395



2.3997, 1.2023, 1.6865

Previews

White Background



This preview shows how the XYZ color 51.8234, 40.5852, 99.7101 looks on a white background.

Color Contrast Check

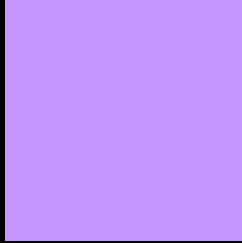
Large Text (above 18pt) WCAG AA × Fail

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 51.8234, 40.5852, 99.7101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

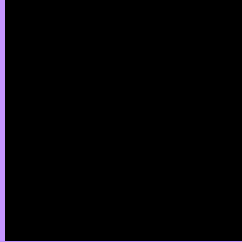
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8234, 40.5852, 99.7101

Background



This preview shows how black text looks on a background with the XYZ color 51.8234, 40.5852, 99.7101.



This preview shows how white text looks on a background with the XYZ color 51.8234, 40.5852,

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

51.8234, 40.5852, 99.7101

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

42.1038, 41.0329, 96.9678



Tritanopia

41.5401, 40.7175, 48.3177

Trichromacy



Original Color

51.8234, 40.5852, 99.7101

Protanomaly

45.4928, 40.2868, 99.9861

Deuteranomaly

44.7891, 40.2399, 97.5019

Tritanomaly

44.8196, 40.4654, 64.4798

Monochromacy



Original Color

51.8234, 40.5852, 99.7101

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

44.0637, 41.6993, 62.8531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8234, 40.5852, 99.7101 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(197, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8234, 40.5852, 99.7101 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(197, 149, 255) }
```


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

```
.border{ border-color:rgb(197, 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(197, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8234, 40.5852, 99.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 149, 255) }
```

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

```
.background{ background-color: rgb(197,  
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](#).

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