

Converting Colors

XYZ(52.6047, 40.1585, 99.5865)

Have a look what the booklet for
XYZ(52.6047, 40.1585, 99.5865)
contains.

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Color

**XYZ(52.5325, 40.0274,
99.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	CA91FF
RGB	202, 145, 255
RGB Percent	79%, 57%, 100%
CMY	0.2078, 0.4314, 0.0000
CMYK	0.21, 0.43, 0.00, 0.00
HSL	271°, 100%, 78%
HSV	271°, 43%, 100%
XYZ	52.5325, 40.0274, 99.5650
YIQ	174.5830, -1.3380, 46.2940

Conversions

Conversions Part 2

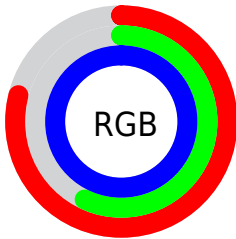
Format	Color
R _Y B	202, 145, 255
Decimal	13275647
CIE Lab	69.49, 41.84, -46.73
CIE LCh	69, 62.725, 311.842
Yxy	40.0274, 0.2734, 0.2083
Android (android.graphics.Color)	4291465727 (0xFFCA91FF)
YUV	174.5830, 39.6456, 24.0447
Hunter-Lab	63.2672, 37.4958, -49.0189

Details

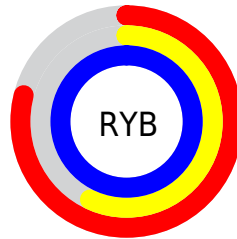
The XYZ color **52.5325, 40.0274, 99.5650** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.1602, 85.5704, 39.9248**, and the grayscale version is **40.3360, 42.4366, 46.2135**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **25.9615, 18.0169, 55.5354** is the 20% darker color. If you saturate the color by 10%, you get **45.8714, 31.4446, 98.2595**, and if you desaturate by 10%, it is **60.3353, 50.4984, 101.1749**.

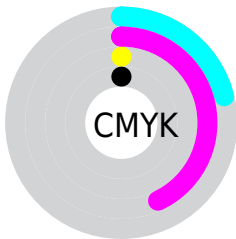
Distribution



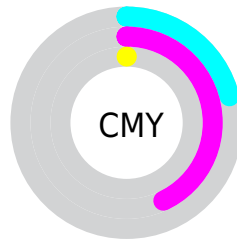
- Red (79%)
- Green (57%)
- Blue (100%)



- Red (79%)
- Yellow (57%)
- Blue (100%)



- Cyan (21%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5325, 40.0274, 99.5650 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 52.5325, 40.0274, 99.5650 by changing the saturation by 10% instead.


 52.5325, 40.0274,
99.5650

 52.5325, 40.0274,
99.5650


386.7792,
346.2390, 580.0319

 37.6557, 27.5599,
75.3224

 93.0857, 75.2052,
162.6059

 25.8916, 17.9942,
55.3738


 119.4927, 98.6844,
202.2414

 16.8748, 10.9458,
39.3004


150.4739,
126.6028, 247.8449

 10.2400, 6.0304,
26.6839

186.3946,
159.3450, 299.8349

 5.6219, 2.8636,
17.1056

227.6201,
197.2954, 358.6301

 2.6550, 1.0609,
10.1471

274.5158,

 0.9741, 0.0000,

240.8382, 424.6490

5.3897

327.4471,
290.3580, 498.3101

■ 0.0000, 0.0000,
2.4150

■ 0.0000, 0.0000,
0.7946

■ 52.5325, 40.0274,
99.5650

■ 52.5325, 40.0274,
99.5650

■ 45.8714, 31.4446,
98.2595

■ 60.3353, 50.4984,
101.1749

■ 40.2827, 24.6238,
97.2375

■ 69.3355, 62.9636,
103.1065

■ 35.6948, 19.4303,
96.4768

■ 79.5895, 77.5261,
105.3769

■ 32.0241, 15.7065,
95.9515

■ 91.1488, 94.2806,
108.0017

■ 29.1701, 13.2619,
95.6301

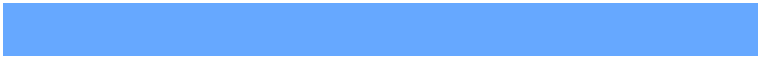
95.0500, 100.0000,
108.9000

■ 27.5873, 12.1367,
95.4963

Harmonies

Analogous

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



42.1728, 40.0274, 123.8700



52.5325, 40.0274, 99.5650



59.6526, 40.0274, 63.3238

Triad

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



52.5325, 40.0274, 99.5650



44.4262, 40.0274, 9.2100



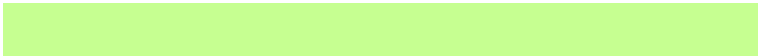
22.0220, 40.0274, 56.0279

Complementary

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



52.5325, 40.0274, 99.5650



64.1602, 85.5704, 39.9248

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.



22.4090, 40.0274, 28.4413



52.5325, 40.0274, 99.5650



34.1954, 40.0274, 8.6585

Square

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



52.5325, 40.0274, 99.5650



54.4316, 40.0274, 16.0056



26.5005, 40.0274, 13.8841



25.3290, 40.0274, 92.2343

Rectangle

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



52.5325, 40.0274, 99.5650



60.9541, 40.0274, 41.8185



26.5005, 40.0274, 13.8841



21.7430, 40.0274, 45.3965

Sweetspot

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



52.5338, 40.0290, 99.5653



79.7375, 77.7385, 105.4102



49.9604, 53.7055, 102.3407



16.5582, 15.9102, 22.4482



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.



52.5338, 40.0290, 99.5653



46.5727, 32.3284, 98.3931



69.1222, 48.6145, 98.8082



17.9010, 17.8407, 22.7501



14.5884, 6.4311, 49.9070



1.5466, 0.6912, 4.8652

Inverse Universe

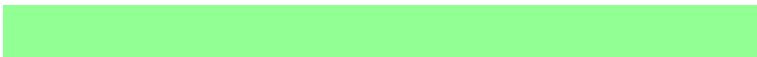
The Inverse Universe completely reimagines the original color for something new.



61.5592, 45.5893, 58.9820



57.1424, 38.8350, 51.0994



52.6915, 79.6416, 40.1321



18.3740, 18.1329, 20.5864



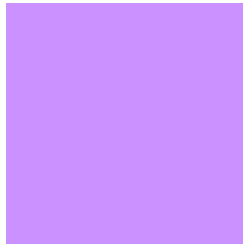
23.4870, 11.8841, 11.2148



2.3417, 1.1791, 1.3809

Previews

White Background



This preview shows how the XYZ color 52.5325, 40.0274, 99.5650 looks on a white background.

Color Contrast Check

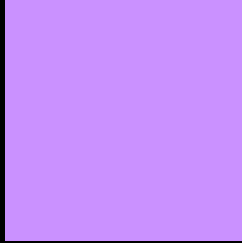
Large Text (above 18pt) WCAG AA × Fail

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 52.5325, 40.0274, 99.5650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

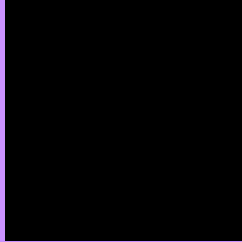
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.5325, 40.0274, 99.5650

Background



This preview shows how black text looks on a background with the XYZ color 52.5325, 40.0274, 99.5650.



This preview shows how white text looks on a background with the XYZ color 52.5325, 40.0274,

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

52.5325, 40.0274, 99.5650

Protanopia

42.5162, 40.3464, 100.1545

Deuteranopia

41.4350, 40.4290, 96.0622



Tritanopia

41.8213, 40.1083, 46.0949

Trichromacy



Original Color

52.5325, 40.0274, 99.5650



Protanomaly

45.3484, 39.6977, 99.8800



Deuteranomaly

44.4396, 39.5408, 97.3854

Tritanomaly

45.0357, 39.6059, 62.3978

Monochromacy



Original Color

52.5325, 40.0274, 99.5650



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

44.1821, 41.2248, 62.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5325, 40.0274, 99.5650 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(202, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 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(202, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.5325, 40.0274, 99.5650 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(202, 145, 255) }
```


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

```
.border{ border-color:rgb(202, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5325, 40.0274, 99.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 255) }
```

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

```
.background{ background-color: rgb(202,  
145, 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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