

Converting Colors

XYZ(52.8172, 40.7147, 99.6827)

Have a look what the booklet for
XYZ(52.8172, 40.7147, 99.6827)
contains.

XYZ(52.8408, 40.6440, 99.6678)	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(52.8408, 40.6440,
99.6678)**

Conversions

Conversions Part 1

Format	Color
Hex	CA93FF
RGB	202, 147, 255
RGB Percent	79%, 58%, 100%
CMY	0.2078, 0.4235, 0.0000
CMYK	0.21, 0.42, 0.00, 0.00
HSL	271°, 100%, 79%
HSV	271°, 42%, 100%
XYZ	52.8408, 40.6440, 99.6678
YIQ	175.7570, -1.8880, 45.2480

Conversions

Conversions Part 2

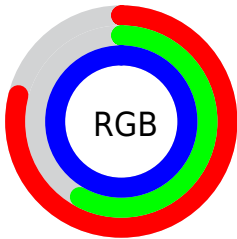
Format	Color
R _Y B	202, 147, 255
Decimal	13276159
CIE Lab	69.93, 40.76, -46.04
CIE LCh	70, 61.493, 311.518
Yxy	40.6440, 0.2736, 0.2104
Android (android.graphics.Color)	4291466239 (0xFFCA93FF)
YUV	175.7570, 39.0668, 23.0151
Hunter-Lab	63.7526, 36.3810, -48.0643

Details

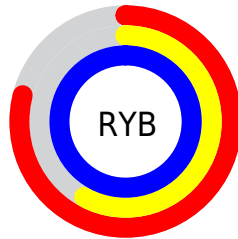
The XYZ color **52.8408, 40.6440, 99.6678** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.8466, 85.9063, 40.7692**, and the grayscale version is **40.9455, 43.0779, 46.9118**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **26.1393, 18.3726, 55.5947** is the 20% darker color. If you saturate the color by 10%, you get **46.0565, 31.8990, 98.3374**, and if you desaturate by 10%, it is **60.7811, 51.2912, 101.3044**.

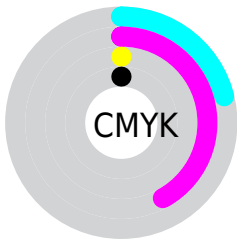
Distribution



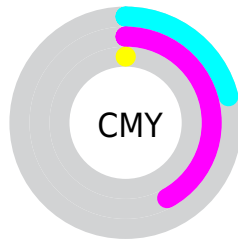
- Red (79%)
- Green (58%)
- Blue (100%)



- Red (79%)
- Yellow (58%)
- Blue (100%)



- Cyan (21%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8408, 40.6440, 99.6678 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 52.8408, 40.6440, 99.6678 by changing the saturation by 10% instead.


 52.8408, 40.6440,
99.6678


 52.8408, 40.6440,
99.6678

387.9449,
348.8305, 580.3647

 37.9027, 28.0410,
75.4078

 93.5370, 76.1432,
162.7485

 26.0840, 18.3566,
55.4433


 120.0257, 99.8082,
202.4062

 17.0195, 11.2063,
39.3558


151.0954,
127.9293, 248.0337

 10.3438, 6.2058,
26.7266

187.1113,
160.8909, 300.0493

 5.6915, 2.9706,
17.1374

228.4389,
199.0775, 358.8717

 2.6973, 1.1164,
10.1695

275.4434,

 0.9958, 0.0000,

242.8733, 424.9193

5.4044

328.4903,
292.6629, 498.6108

■ 0.0000, 0.0000,
2.4236

■ 0.0000, 0.0000,
0.7992

■ 52.8408, 40.6440,
99.6678

■ 52.8408, 40.6440,
99.6678

■ 46.0565, 31.8990,
98.3374

■ 60.7811, 51.2912,
101.3044

■ 40.3590, 24.9306,
97.2927

■ 69.9330, 63.9457,
103.2646

■ 35.6771, 19.6053,
96.5116

■ 80.3530, 78.7106,
105.5653

■ 31.9276, 15.7674,
95.9684

■ 92.0926, 95.6800,
108.2220

■ 29.0116, 13.2294,
95.6322

95.0500, 100.0000,
108.9000

■ 27.2349, 11.9550,
95.4798

Harmonies

Analogous

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



42.6019, 40.6440, 123.1914



52.8408, 40.6440, 99.6678



59.9050, 40.6440, 64.1230

Triad

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



52.8408, 40.6440, 99.6678



45.0573, 40.6440, 9.8646



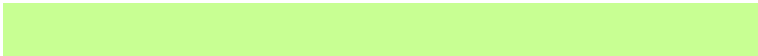
22.6776, 40.6440, 56.1955

Complementary

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



52.8408, 40.6440, 99.6678



64.8466, 85.9063, 40.7692

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.



23.1043, 40.6440, 28.9830



52.8408, 40.6440, 99.6678



34.9146, 40.6440, 9.2413

Square

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



52.8408, 40.6440, 99.6678



54.9034, 40.6440, 16.8546



27.2285, 40.6440, 14.4882



25.9405, 40.6440, 91.7550

Rectangle

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



52.8408, 40.6440, 99.6678



61.2352, 40.6440, 42.8103



27.2285, 40.6440, 14.4882



22.4117, 40.6440, 45.7306

Sweetspot

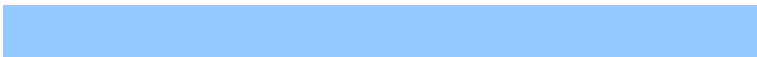
The Sweet Spot groups the original color and five complimentary colors.



52.8421, 40.6456, 99.6680



79.6377, 77.6870, 105.4055



50.9704, 55.1976, 102.5755



16.5336, 15.8975, 22.4471



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.



52.8421, 40.6456, 99.6680



46.9084, 32.9743, 98.5001



69.7243, 49.3487, 100.4581



17.8850, 17.8324, 22.7493



14.4037, 6.3359, 49.8984



1.5285, 0.6819, 4.8643

Inverse Universe

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



62.0998, 46.2989, 60.3080



57.7276, 39.5787, 52.6102



53.0601, 79.8301, 40.2176



18.3809, 18.1357, 20.6231



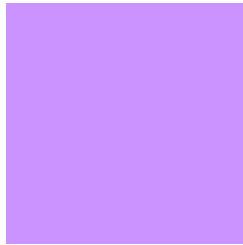
23.5626, 11.9143, 11.6129



2.3492, 1.1821, 1.4204

Previews

White Background



This preview shows how the XYZ color 52.8408, 40.6440, 99.6678 looks on a white background.

Color Contrast Check

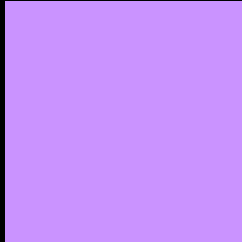
Large Text (above 18pt) WCAG AA × Fail

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 52.8408, 40.6440, 99.6678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

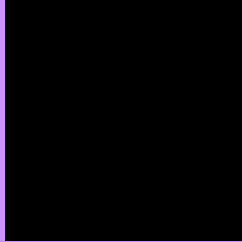
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8408, 40.6440, 99.6678

Background



This preview shows how black text looks on a background with the XYZ color 52.8408, 40.6440, 99.6678.



This preview shows how white text looks on a background with the XYZ color 52.8408, 40.6440,

99.6678.

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

52.8408, 40.6440, 99.6678

Protanopia

43.0371, 40.8880, 100.2316

Deuteranopia

42.1113, 41.0549, 96.1474



Tritanopia

42.1975, 40.5441, 47.1967

Trichromacy



Original Color

52.8408, 40.6440, 99.6678



Protanomaly

45.7251, 40.1481, 99.9471



Deuteranomaly

45.1890, 40.4460, 97.5206

Tritanomaly

45.4944, 40.3308, 63.1444

Monochromacy



Original Color

52.8408, 40.6440, 99.6678



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

44.4822, 41.6323, 63.4490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8408, 40.6440, 99.6678 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, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 147, 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, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.8408, 40.6440, 99.6678 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, 147, 255) }
```


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

```
.border{ border-color:rgb(202, 147, 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, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8408, 40.6440, 99.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 147, 255) }
```

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

```
.background{ background-color: rgb(202,  
147, 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