

Converting Colors

XYZ(50.5055, 40.8615, 99.8329)

Have a look what the booklet for
XYZ(50.5055, 40.8615, 99.8329)
contains.

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Color

**XYZ(50.4275, 40.8213,
99.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	BD99FF
RGB	189, 153, 255
RGB Percent	74%, 60%, 100%
CMY	0.2588, 0.4000, 0.0000
CMYK	0.26, 0.40, 0.00, 0.00
HSL	261°, 100%, 80%
HSV	261°, 40%, 100%
XYZ	50.4275, 40.8213, 99.8292
YIQ	175.3920, -11.2860, 39.3540

Conversions

Conversions Part 2

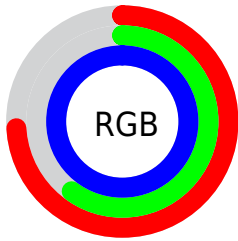
Format	Color
R _Y B	189, 153, 255
Decimal	12425727
CIE _{Lab}	70.05, 33.87, -45.93
CIE _{LCh}	70, 57.068, 306.402
Y _{xy}	40.8213, 0.2639, 0.2136
Android (android.graphics.Color)	4290615807 (0xFFBD99FF)
YUV	175.3920, 39.2467, 11.9342
Hunter-Lab	63.8915, 29.0740, -47.9153

Details

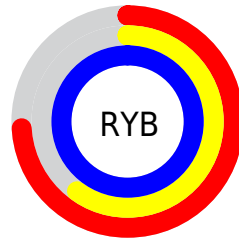
The XYZ color **50.4275, 40.8213, 99.8292** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.7236, 88.8802, 43.5666**, and the grayscale version is **40.7589, 42.8816, 46.6980**.

A 20% lighter version of the original color is **78.9636, 72.1059, 104.3637**, and **24.5196, 18.3711, 55.6797** is the 20% darker color. If you saturate the color by 10%, you get **42.8285, 31.3569, 98.4029**, and if you desaturate by 10%, it is **59.3866, 52.3123, 101.5750**.

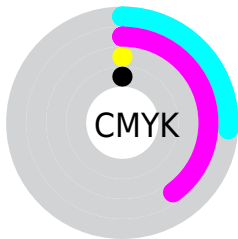
Distribution



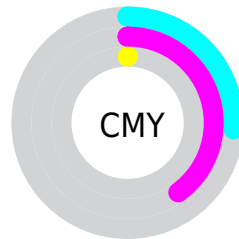
- Red (74%)
- Green (60%)
- Blue (100%)



- Red (74%)
- Yellow (60%)
- Blue (100%)



- Cyan (26%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4275, 40.8213, 99.8292 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 50.4275, 40.8213, 99.8292 by changing the saturation by 10% instead.


 50.4275, 40.8213,
99.8292

 50.4275, 40.8213,
99.8292


378.7598,
349.5732, 580.8869

 35.9724, 28.1795,
75.5418


 89.9960, 76.4125,
162.9723

 24.5829, 18.4610,
55.5525


 115.8401,
100.1308, 202.6650

 15.8936, 11.2815,
39.4426

146.2112,
128.3099, 248.3300

 9.5393, 6.2565,
26.7938

181.4747,
161.3343, 300.3857

 5.1545, 3.0017,
17.1873

221.9960,
199.5885, 359.2508

 2.3739, 1.1326,
10.2048

268.1403,

 0.8321, 0.0056,

243.4568, 425.3436

5.4276

320.2732,
293.3235, 499.0828

■ 0.0000, 0.0000,
2.4372

■ 0.0000, 0.0000,
0.8066

■ 50.4275, 40.8213,
99.8292

■ 50.4275, 40.8213,
99.8292

■ 42.8285, 31.3569,
98.4029

■ 59.3866, 52.3123,
101.5750

■ 36.5127, 23.7917,
97.2756

■ 69.7687, 65.9374,
103.6577

■ 31.4010, 17.9910,
96.4253

■ 81.6377, 81.8019,
106.0943

■ 27.4029, 13.7992,
95.8270

95.0500, 100.0000,
108.9000

■ 24.4125, 11.0321,
95.4505

■ 22.2669, 9.3940,
95.2474

■ 22.2667, 9.3938,
95.2473

Harmonies

Analogous

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



40.8308, 40.8213, 117.3839



50.4275, 40.8213, 99.8292



57.6336, 40.8213, 68.3036

Triad

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



50.4275, 40.8213, 99.8292



46.4193, 40.8213, 12.0669



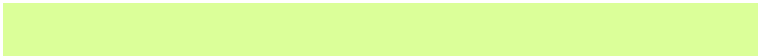
23.5846, 40.8213, 50.4154

Complementary

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



50.4275, 40.8213, 99.8292



70.7236, 88.8802, 43.5666

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.



24.5931, 40.8213, 26.9145



50.4275, 40.8213, 99.8292



36.8365, 40.8213, 10.4781

Square

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



50.4275, 40.8213, 99.8292



55.0727, 40.8213, 20.4288



29.1122, 40.8213, 14.6271



26.0963, 40.8213, 82.3624

Rectangle

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



50.4275, 40.8213, 99.8292



59.5583, 40.8213, 47.7444



29.1122, 40.8213, 14.6271



23.5298, 40.8213, 41.3059

Sweetspot

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



50.4289, 40.8228, 99.8294



79.1404, 78.4429, 105.5776



56.5977, 64.8130, 104.1349



16.5975, 16.3314, 22.5274



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.



50.4289, 40.8228, 99.8294



44.2424, 33.0927, 98.6634



65.2754, 48.4765, 100.5243



17.6078, 17.6896, 22.7363



11.7808, 4.9837, 49.7756



1.2603, 0.5436, 4.8518

Inverse Universe

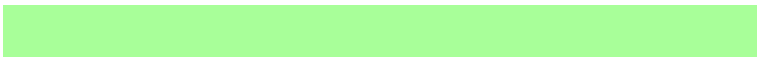
The Inverse Universe completely reimagines the original color for something new.



65.4181, 49.1581, 73.0587



61.4312, 42.6691, 67.1527



57.7231, 82.1782, 42.9582



18.5045, 18.1851, 21.2736



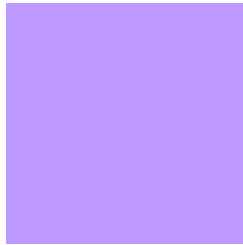
25.1710, 12.5577, 20.0827



2.5027, 1.2435, 2.2288

Previews

White Background



This preview shows how the XYZ color 50.4275, 40.8213, 99.8292 looks on a white background.

Color Contrast Check

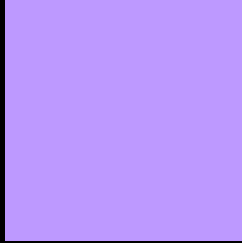
Large Text (above 18pt) WCAG AA × Fail

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 50.4275, 40.8213, 99.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

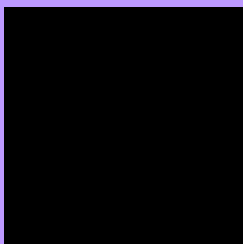
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4275, 40.8213, 99.8292

Background



This preview shows how black text looks on a background with the XYZ color 50.4275, 40.8213, 99.8292.



This preview shows how white text looks on a background with the XYZ color 50.4275, 40.8213,

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

50.4275, 40.8213, 99.8292

Protanopia

43.2225, 41.2587, 100.2934

Deuteranopia

42.1038, 41.0329, 96.9678



Tritanopia

40.3107, 40.8673, 50.0195

Trichromacy



Original Color

50.4275, 40.8213, 99.8292



Protanomaly

45.2477, 40.6835, 100.0756



Deuteranomaly

44.5564, 40.6471, 97.5928

Tritanomaly

43.4282, 40.5011, 65.8502

Monochromacy



Original Color

50.4275, 40.8213, 99.8292



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.5402, 41.7004, 62.8809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4275, 40.8213, 99.8292 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(189, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 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(189, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4275, 40.8213, 99.8292 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(189, 153, 255) }
```


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

```
.border{ border-color:rgb(189, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4275, 40.8213, 99.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 255) }
```

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

```
.background{ background-color: rgb(189,  
153, 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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