

Converting Colors

XYZ(49.4529, 40.2405, 81.5053)

Have a look what the booklet for
XYZ(49.4529, 40.2405, 81.5053)
contains.

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Color

**XYZ(49.4515, 40.2388,
81.5044)**

Conversions

Conversions Part 1

Format	Color
Hex	C897E8
RGB	200, 151, 232
RGB Percent	78%, 59%, 91%
CMY	0.2157, 0.4078, 0.0902
CMYK	0.14, 0.35, 0.00, 0.09
HSL	276°, 64%, 75%
HSV	276°, 35%, 91%
XYZ	49.4515, 40.2388, 81.5044
YIQ	174.8850, 3.2030, 35.5790

Conversions

Conversions Part 2

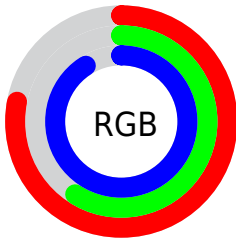
Format	Color
R _Y B	200, 151, 232
Decimal	13146088
CIE Lab	69.64, 33.01, -33.94
CIE LCh	70, 47.347, 314.204
Yxy	40.2388, 0.2889, 0.2350
Android (android.graphics.Color)	4291336168 (0xFFC897E8)
YUV	174.8850, 28.1577, 22.0259
Hunter-Lab	63.4341, 28.1442, -31.7760

Details

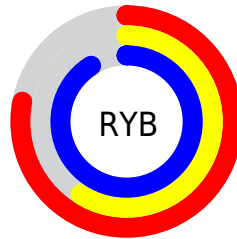
The XYZ color **49.4515, 40.2388, 81.5044** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.9723, 70.0159, 39.9497**, and the grayscale version is **40.5472, 42.6588, 46.4555**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **23.9754, 18.0780, 43.3001** is the 20% darker color. If you saturate the color by 10%, you get **43.7040, 32.2687, 80.2696**, and if you desaturate by 10%, it is **56.0831, 49.7571, 82.9927**.

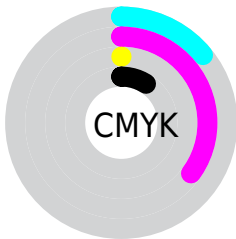
Distribution



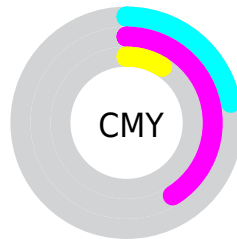
- Red (78%)
- Green (59%)
- Blue (91%)



- Red (78%)
- Yellow (59%)
- Blue (91%)



- Cyan (14%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)





- Cyan (22%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4515, 40.2388, 81.5044 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 49.4515, 40.2388, 81.5044 by changing the saturation by 10% instead.


 49.4515, 40.2388,
81.5044

 49.4515, 40.2388,
81.5044


375.0046,
347.1291, 519.8283

 35.1938, 27.7248,
60.4237


 88.5584, 75.5270,
137.3092

 23.9794, 18.1183,
43.3327

 114.1382, 99.0700,
172.8704

 15.4430, 11.0350,
29.8129

144.2228,
127.0581, 214.0955

 9.2192, 6.0904,
19.4458

179.1775,
159.8757, 261.4030

 4.9427, 2.9001,
11.8128

219.3677,
197.9072, 315.2115

 2.2481, 1.0798,
6.4953

265.1587,

 0.7679, 0.0000,

241.5370, 375.9395

3.0749

316.9159,
291.1495, 444.0056

■ 0.0000, 0.0000,
1.1330

■ 0.0000, 0.0000,
0.0000

■ 49.4515, 40.2388,
81.5044

■ 49.4515, 40.2388,
81.5044

■ 43.7040, 32.2687,
80.2696

■ 56.0831, 49.7571,
82.9927

■ 38.7907, 25.7540,
79.2711

■ 63.6370, 60.8995,
84.7453

■ 34.6626, 20.5993,
78.4937

■ 72.1538, 73.7426,
86.7754

■ 31.2629, 16.6954,
77.9194

■ 81.6705, 88.3568,
89.0946

■ 28.5264, 13.9157,
77.5270

■ 88.2719, 96.9083,
90.3973

■ 26.3733, 12.1050,
77.2910

■ 91.5638, 98.6053,
90.5514

■ 25.4392, 11.4318,
77.2103

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



41.9718, 40.2388, 98.6896



49.4515, 40.2388, 81.5044



54.2264, 40.2388, 56.3167

Triad

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



49.4515, 40.2388, 81.5044



42.3933, 40.2388, 14.4838



25.6794, 40.2388, 54.9905

Complementary

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



49.4515, 40.2388, 81.5044



53.9723, 70.0159, 39.9497

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.



25.7606, 40.2388, 33.3126



49.4515, 40.2388, 81.5044



34.7470, 40.2388, 14.3394

Square

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



49.4515, 40.2388, 81.5044



49.7953, 40.2388, 20.5074



28.8753, 40.2388, 20.0124



28.6363, 40.2388, 80.2588

Rectangle

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



49.4515, 40.2388, 81.5044



54.8804, 40.2388, 40.7953



28.8753, 40.2388, 20.0124



25.3661, 40.2388, 46.9764

Sweetspot

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



49.4529, 40.2405, 81.5053



83.8382, 82.9349, 106.1970



44.3456, 46.4394, 82.9710



17.6289, 17.2758, 22.6554



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.



49.4529, 40.2405, 81.5053



55.9746, 42.4681, 99.8547



57.7874, 44.6670, 76.0266



14.4152, 14.3163, 18.1479



14.2682, 6.4214, 42.8706



1.1582, 0.5280, 3.1728

Inverse Universe

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



52.8938, 42.7096, 50.2574



61.1316, 46.1354, 54.5194



47.8872, 66.8002, 43.2180



14.6116, 14.4618, 16.1552



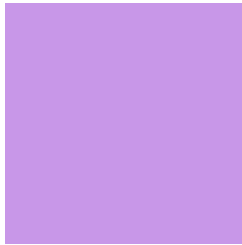
19.5970, 9.9730, 6.7727



1.4928, 0.7548, 0.7358

Previews

White Background



This preview shows how the XYZ color 49.4515, 40.2388, 81.5044 looks on a white background.

Color Contrast Check

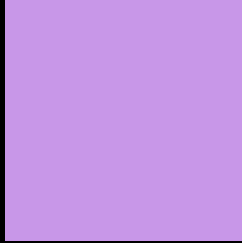
Large Text (above 18pt) WCAG AA × Fail

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 49.4515, 40.2388, 81.5044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

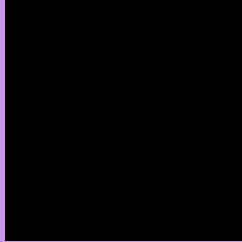
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4515, 40.2388, 81.5044

Background



This preview shows how black text looks on a background with the XYZ color 49.4515, 40.2388, 81.5044.



This preview shows how white text looks on a background with the XYZ color 49.4515, 40.2388,

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

49.4515, 40.2388, 81.5044

Protanopia

42.1611, 40.6176, 92.0040

Deuteranopia

41.4719, 40.5324, 79.7665



Tritanopia

42.3209, 40.3659, 46.1183

Trichromacy



Original Color

49.4515, 40.2388, 81.5044



Protanomaly

44.1656, 40.1313, 87.8564



Deuteranomaly

43.9978, 40.2118, 80.3056



Tritanomaly

44.6101, 40.2511, 57.6426

Monochromacy



Original Color

49.4515, 40.2388, 81.5044



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.3672, 41.4483, 57.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4515, 40.2388, 81.5044 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(200, 151, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 151, 232)  
}
```

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(200, 151, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 151, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.4515, 40.2388, 81.5044 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(200, 151, 232) }
```


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

```
.border{ border-color:rgb(200, 151, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 151, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 151, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 151, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 151,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4515, 40.2388, 81.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 151, 232) }
```

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

```
.background{ background-color: rgb(200,  
151, 232) }
```

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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