

Converting Colors

XYZ(49.9914, 40.2041, 82.1285)

Have a look what the booklet for
XYZ(49.9914, 40.2041, 82.1285)
contains.

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Color

**XYZ(49.9714, 40.2524,
82.2265)**

Conversions

Conversions Part 1

Format	Color
Hex	CA96E9
RGB	202, 150, 233
RGB Percent	79%, 59%, 91%
CMY	0.2078, 0.4117, 0.0863
CMYK	0.13, 0.36, 0.00, 0.09
HSL	278°, 65%, 75%
HSV	278°, 36%, 91%
XYZ	49.9714, 40.2524, 82.2265
YIQ	175.0100, 4.3490, 36.8370

Conversions

Conversions Part 2

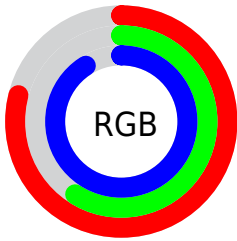
Format	Color
RYB	202, 150, 233
Decimal	13276905
CIELab	69.65, 34.37, -34.46
CIElCh	70, 48.672, 314.929
Yxy	40.2524, 0.2898, 0.2334
Android (android.graphics.Color)	4291466985 (0xFFCA96E9)
YUV	175.0100, 28.5891, 23.6702
Hunter-Lab	63.4448, 29.5647, -32.4304

Details

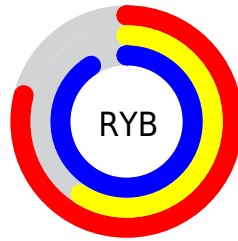
The XYZ color **49.9714, 40.2524, 82.2265** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.7013, 70.3046, 39.5957**, and the grayscale version is **40.6091, 42.7239, 46.5264**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **24.3361, 18.1127, 43.8084** is the 20% darker color. If you saturate the color by 10%, you get **44.3281, 32.3625, 81.0017**, and if you desaturate by 10%, it is **56.4894, 49.6924, 83.7057**.

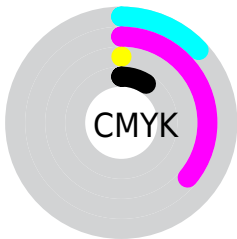
Distribution



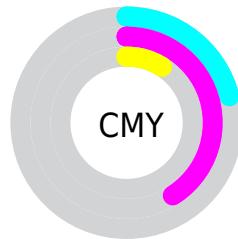
- Red (79%)
- Green (59%)
- Blue (91%)



- Red (79%)
- Yellow (59%)
- Blue (91%)



- Cyan (13%)
- Magenta (36%)
- Yellow (0%)
- Black (9%)




- Cyan (21%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9714, 40.2524, 82.2265 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 49.9714, 40.2524, 82.2265 by changing the saturation by 10% instead.

 49.9714, 40.2524,
82.2265

 49.9714, 40.2524,
82.2265


377.0079,
347.1863, 522.3083

 35.6084, 27.7354,
61.0154


 89.3246, 75.5477,
138.3311

 24.3006, 18.1263,
43.8069


 115.0454, 99.0948,
174.0617

 15.6827, 11.0407,
30.1827

145.2830,
127.0874, 215.4691

 9.3893, 6.0942,
19.7240

180.4025,
159.9098, 262.9719

 5.0551, 2.9025,
12.0125

220.7694,
197.9465, 316.9887

 2.3147, 1.0810,
6.6296

266.7491,

 0.8022, 0.0000,

241.5819, 377.9381

3.1566

318.7068,
291.2004, 446.2384

■ 0.0000, 0.0000,
1.1752

■ 0.0000, 0.0000,
0.0000

■ 49.9714, 40.2524,
82.2265

■ 49.9714, 40.2524,
82.2265

■ 44.3281, 32.3625,
81.0017

■ 56.4894, 49.6924,
83.7057

■ 39.5091, 25.9285,
80.0138

■ 63.9206, 60.7595,
85.4502

■ 35.4650, 20.8536,
79.2474

■ 72.3058, 73.5313,
87.4735

■ 32.1385, 17.0266,
78.6840

■ 81.6822, 88.0790,
89.7873

■ 29.4631, 14.3180,
78.3022

■ 88.3040, 96.9084,
91.1425

■ 27.3574, 12.5686,
78.0755

■ 91.4205, 98.5150,
91.2883

■ 26.5579, 11.9921,
78.0064

■ 91.7081, 98.6632,
91.3018

Harmonies

Analogous

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



42.2910, 40.2524, 100.4541



49.9714, 40.2524, 82.2265



54.8094, 40.2524, 56.0896

Triad

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



49.9714, 40.2524, 82.2265



42.3297, 40.2524, 13.8867



25.4209, 40.2524, 55.9676

Complementary

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



49.9714, 40.2524, 82.2265



53.7013, 70.3046, 39.5957

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.



25.4283, 40.2524, 33.4979



49.9714, 40.2524, 82.2265



34.4912, 40.2524, 13.8739

Square

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



49.9714, 40.2524, 82.2265



50.0030, 40.2524, 19.7934



28.5361, 40.2524, 19.7488



28.5143, 40.2524, 82.1113

Rectangle

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



49.9714, 40.2524, 82.2265



55.4018, 40.2524, 40.2088



28.5361, 40.2524, 19.7488



25.0761, 40.2524, 47.6582

Sweetspot

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



49.9728, 40.2541, 82.2274



82.9956, 81.4577, 105.9563



43.9775, 45.7497, 83.6041



17.4683, 16.9852, 22.6077



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.



49.9728, 40.2541, 82.2274



55.9740, 41.8810, 99.7414



57.8737, 44.4827, 75.5727



15.1380, 15.0164, 19.0228



15.2110, 6.8775, 44.2687



1.3003, 0.5946, 3.4811

Inverse Universe

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



52.8523, 42.4741, 49.1303



60.3142, 45.1760, 52.1648



48.0354, 67.2899, 43.5709



15.2981, 15.1471, 16.8553



20.0996, 10.2425, 6.3261



1.6236, 0.8224, 0.7350

Previews

White Background



This preview shows how the XYZ color 49.9714, 40.2524, 82.2265 looks on a white background.

Color Contrast Check

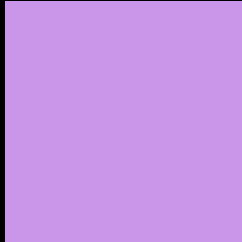
Large Text (above 18pt) WCAG AA × Fail

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 49.9714, 40.2524, 82.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

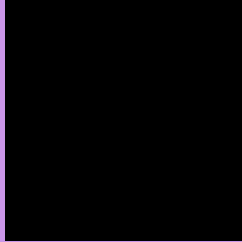
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9714, 40.2524, 82.2265

Background



This preview shows how black text looks on a background with the XYZ color 49.9714, 40.2524, 82.2265.

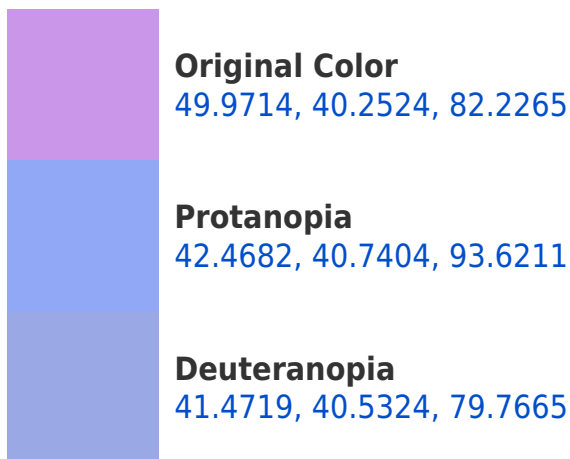


This preview shows how white text looks on a background with the XYZ color 49.9714, 40.2524,

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





Tritanopia

42.6505, 40.2733, 46.0830

Trichromacy



Original Color

49.9714, 40.2524, 82.2265

Protanomaly

44.4978, 40.0075, 89.3813

Deuteranomaly

43.8224, 39.8608, 80.2471

Tritanomaly

44.9556, 40.1750, 57.6097

Monochromacy



Original Color

49.9714, 40.2524, 82.2265

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.6076, 41.5722, 57.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9714, 40.2524, 82.2265 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, 150, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 150, 233)  
}
```

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, 150, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 150, 233) }
```

Border

The CSS property to change the border of an element to XYZ 49.9714, 40.2524, 82.2265 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, 150, 233) }
```


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

```
.border{ border-color:rgb(202, 150, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 150, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 150, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 150, 233); box-shadow:4px 4px 4px 4px rgb(202, 150, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9714, 40.2524, 82.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 150, 233) }
```

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

```
.background{ background-color: rgb(202,  
150, 233) }
```

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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