

Converting Colors

XYZ(49.2481, 40.7494, 80.0119)

Have a look what the booklet for
XYZ(49.2481, 40.7494, 80.0119)
contains.

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Color

**XYZ(49.2273, 40.6378,
80.1122)**

Conversions

Conversions Part 1

Format	Color
Hex	C799E6
RGB	199, 153, 230
RGB Percent	78%, 60%, 90%
CMY	0.2196, 0.4000, 0.0980
CMYK	0.13, 0.33, 0.00, 0.10
HSL	276°, 61%, 75%
HSV	276°, 33%, 90%
XYZ	49.2273, 40.6378, 80.1122
YIQ	175.5320, 2.6990, 33.6990

Conversions

Conversions Part 2

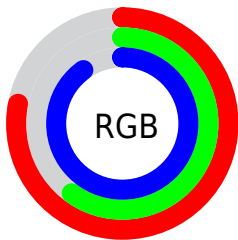
Format	Color
R_{YB}	199, 153, 230
Decimal	13081062
CIE _{Lab}	69.92, 31.19, -32.41
CIE _{LCh}	70, 44.981, 313.894
Yxy	40.6378, 0.2896, 0.2391
Android (android.graphics.Color)	4291271142 (0xFFC799E6)
YUV	175.5320, 26.8527, 20.5814
Hunter-Lab	63.7478, 26.2826, -29.8866

Details

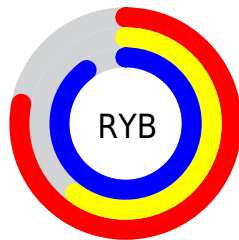
The XYZ color **49.2273, 40.6378, 80.1122** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.8152, 69.0849, 40.6373**, and the grayscale version is **40.8885, 43.0179, 46.8465**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **23.7953, 18.2926, 42.3211** is the 20% darker color. If you saturate the color by 10%, you get **43.4370, 32.5936, 78.8653**, and if you desaturate by 10%, it is **55.8953, 50.2135, 81.6097**.

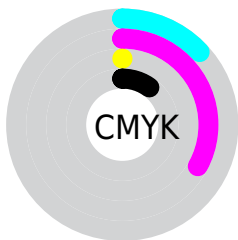
Distribution



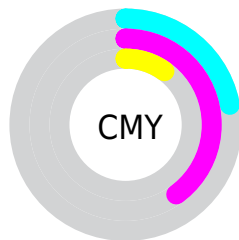
- Red (78%)
- Green (60%)
- Blue (90%)



- Red (78%)
- Yellow (60%)
- Blue (90%)



- Cyan (13%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)





- Cyan (22%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2273, 40.6378, 80.1122 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 49.2273, 40.6378, 80.1122 by changing the saturation by 10% instead.


 49.2273, 40.6378,
80.1122

 49.2273, 40.6378,
80.1122


374.1386,
348.8045, 515.0276

 35.0151, 28.0362,
59.2840


 88.2276, 76.1338,
135.3363

 23.8411, 18.3529,
42.4202

 113.7465, 99.7969,
170.5692

 15.3399, 11.2037,
29.1025


143.7649,
127.9160, 211.4408

 9.1461, 6.2040,
18.9121

178.6484,
160.8754, 258.3696

 4.8945, 2.9695,
11.4306

218.7621,
199.0596, 311.7742

 2.2196, 1.1158,
6.2395

264.4714,

 0.7530, 0.0000,

242.8529, 372.0730

2.9201

316.1418,
292.6397, 439.6846

■ 0.0000, 0.0000,
1.0540

■ 0.0000, 0.0000,
0.0000

■ 49.2273, 40.6378,
80.1122

■ 49.2273, 40.6378,
80.1122

■ 43.4370, 32.5936,
78.8653

■ 55.8953, 50.2135,
81.6097

■ 38.4760, 25.9907,
77.8523

■ 63.4781, 61.3940,
83.3681

■ 34.2967, 20.7374,
77.0586

■ 72.0153, 74.2537,
85.4003

■ 30.8446, 16.7286,
76.4668

■ 81.5427, 88.8609,
87.7176

■ 28.0570, 13.8431,
76.0567

■ 87.8045, 96.7000,
88.9007

■ 25.8583, 11.9342,
75.8042

■ 91.1218, 98.4101,
89.0559

■ 24.6655, 11.0656,
75.6994

■ 91.2830, 98.4932,
89.0635

Harmonies

Analogous

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



42.1039, 40.6378, 96.0402



49.2273, 40.6378, 80.1122



53.7854, 40.6378, 56.3977

Triad

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



49.2273, 40.6378, 80.1122



42.6624, 40.6378, 15.7219



26.5106, 40.6378, 54.6487

Complementary

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



49.2273, 40.6378, 80.1122



53.8152, 69.0849, 40.6373

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.



26.6202, 40.6378, 33.9814



49.2273, 40.6378, 80.1122



35.3432, 40.6378, 15.5207

Square

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



49.2273, 40.6378, 80.1122



49.6804, 40.6378, 21.7728



29.6660, 40.6378, 21.0940



29.3449, 40.6378, 78.4884

Rectangle

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



49.2273, 40.6378, 80.1122



54.4363, 40.6378, 41.5667



29.6660, 40.6378, 21.0940



26.2166, 40.6378, 47.0414

Sweetspot

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



49.2287, 40.6395, 80.1131



83.7712, 82.9003, 106.1939



44.7878, 47.2200, 81.6173



17.6126, 17.2675, 22.6546



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.



49.2287, 40.6395, 80.1131



57.1536, 44.2887, 100.1440



57.4236, 44.9663, 75.8787



14.4044, 14.3107, 18.1474



14.1058, 6.3377, 42.8630



1.1467, 0.5221, 3.1723

Inverse Universe

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



52.6775, 43.0679, 50.8859



62.3762, 47.9405, 57.0434



47.7294, 65.8847, 43.1941



14.6162, 14.4637, 16.1795



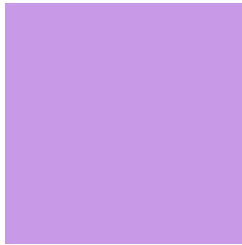
19.6403, 9.9904, 7.0010



1.4963, 0.7562, 0.7541

Previews

White Background



This preview shows how the XYZ color 49.2273, 40.6378, 80.1122 looks on a white background.

Color Contrast Check

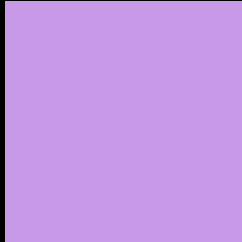
Large Text (above 18pt) WCAG AA × Fail

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 49.2273, 40.6378, 80.1122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

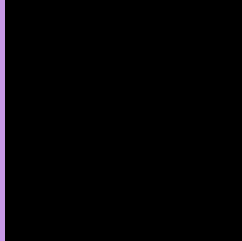
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2273, 40.6378, 80.1122

Background



This preview shows how black text looks on a background with the XYZ color 49.2273, 40.6378, 80.1122.



This preview shows how white text looks on a background with the XYZ color 49.2273, 40.6378,

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

49.2273, 40.6378, 80.1122

Protanopia

42.4277, 41.0826, 89.6980

Deuteranopia

41.7724, 40.7194, 78.3310



Tritanopia

42.5978, 40.7619, 46.6970

Trichromacy



Original Color

49.2273, 40.6378, 80.1122

Protanomaly

44.4662, 40.5829, 86.3786

Deuteranomaly

44.1140, 40.5665, 78.9038

Tritanomaly

44.7827, 40.5965, 57.7001

Monochromacy



Original Color

49.2273, 40.6378, 80.1122

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.7336, 42.1811, 58.0613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2273, 40.6378, 80.1122 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(199, 153, 230)` looks like.

```
.text, #text, p{  
    color:rgb(199, 153, 230)  
}
```

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(199, 153, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 153, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.2273, 40.6378, 80.1122 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(199, 153, 230) }
```


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

```
.border{ border-color:rgb(199, 153, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 153, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(199, 153,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2273, 40.6378, 80.1122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 153, 230) }
```

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

```
.background{ background-color: rgb(199,  
153, 230) }
```

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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