

Converting Colors

XYZ(45.5395, 40.1390, 82.7261)

Have a look what the booklet for
XYZ(45.5395, 40.1390, 82.7261)
contains.

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Color

**XYZ(45.4662, 40.1444,
82.4431)**

Conversions

Conversions Part 1

Format	Color
Hex	B29FE9
RGB	178, 159, 233
RGB Percent	70%, 62%, 91%
CMY	0.3019, 0.3765, 0.0863
CMYK	0.24, 0.32, 0.00, 0.09
HSL	255°, 63%, 77%
HSV	255°, 32%, 91%
XYZ	45.4662, 40.1444, 82.4431
YIQ	173.1170, -12.4300, 27.0420

Conversions

Conversions Part 2

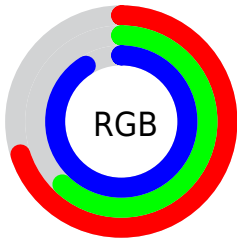
Format	Color
RYB	178, 159, 233
Decimal	11706345
CIELab	69.57, 22.19, -34.75
CIELCh	70, 41.233, 302.564
Yxy	40.1444, 0.2705, 0.2389
Android (android.graphics.Color)	4289896425 (0xFFB29FE9)
YUV	173.1170, 29.5223, 4.2824
Hunter-Lab	63.3596, 17.2104, -32.7960

Details

The XYZ color **45.4662, 40.1444, 82.4431** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.1295, 75.0780, 43.9667**, and the grayscale version is **39.6400, 41.7043, 45.4160**.

A 20% lighter version of the original color is **76.3575, 72.9753, 104.6689**, and **21.5057, 17.9748, 43.9310** is the 20% darker color. If you saturate the color by 10%, you get **38.1051, 30.9525, 81.0575**, and if you desaturate by 10%, it is **54.0868, 51.1084, 84.1057**.

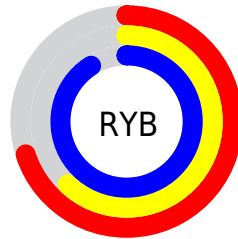
Distribution



Red (70%)

Green (62%)

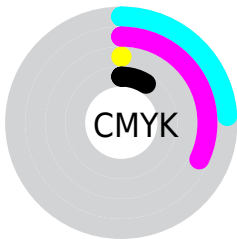
Blue (91%)



Red (70%)

Yellow (62%)

Blue (91%)

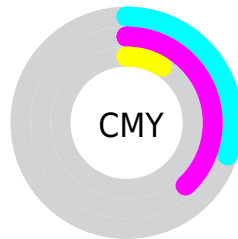


Cyan (24%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (30%)


Magenta (38%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4662, 40.1444, 82.4431 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 45.4662, 40.1444, 82.4431 by changing the saturation by 10% instead.

 45.4662, 40.1444,
82.4431


 45.4662, 40.1444,
82.4431


359.4104,
346.7318, 523.0509

 32.0276, 27.6511,
61.1929


 82.6523, 75.3834,
138.6375

 21.5383, 18.0629,
43.9493


 107.1306, 98.8978,
174.4187

 13.6327, 10.9951,
30.2937

136.0195,
126.8549, 215.8807

 7.9456, 6.0636,
19.8077

169.6843,
159.6388, 263.4420

 4.1117, 2.8838,
12.0727

208.4905,
197.6341, 317.5211

 1.7655, 1.0714,
6.6700

252.8033,

 0.4968, 0.0000,

241.2251, 378.5366

3.1813

302.9882,
290.7962, 446.9070

■ 0.0000, 0.0000,
1.1879

■ 0.0000, 0.0000,
0.0000

■ 45.4662, 40.1444,
82.4431

■ 45.4662, 40.1444,
82.4431

■ 38.1051, 30.9525,
81.0575

■ 54.0868, 51.1084,
84.1057

■ 31.9383, 23.4333,
79.9312

■ 64.0198, 63.9273,
86.0565

■ 26.9006, 17.4846,
79.0485

■ 75.3197, 78.6842,
88.3093

■ 22.9186, 12.9910,
78.3910

■ 88.0368, 95.4560,
90.8763

■ 19.9094, 9.8204,
77.9376

■ 91.7081, 98.6632,
91.3018

■ 17.7759, 7.8156,
77.6631

■ 16.5610, 6.8384,
77.5386

Harmonies

Analogous

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



38.7313, 40.1444, 91.4943



45.4662, 40.1444, 82.4431



50.6771, 40.1444, 62.8642

Triad

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



45.4662, 40.1444, 82.4431



44.3611, 40.1444, 18.5854



26.7470, 40.1444, 45.3702

Complementary

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



45.4662, 40.1444, 82.4431



63.1295, 75.0780, 43.9667

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.



27.8885, 40.1444, 28.9056



45.4662, 40.1444, 82.4431



37.5866, 40.1444, 16.3697

Square

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



45.4662, 40.1444, 82.4431



49.9887, 40.1444, 26.8037



31.6747, 40.1444, 19.5277



28.3555, 40.1444, 66.5514

Rectangle

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



45.4662, 40.1444, 82.4431



52.3033, 40.1444, 48.6272



31.6747, 40.1444, 19.5277



26.8219, 40.1444, 39.1367

Sweetspot

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



45.4676, 40.1460, 82.4440



80.8156, 81.3767, 106.0556



53.1806, 61.6019, 86.1789



16.8992, 16.8997, 22.6212



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.



45.4676, 40.1460, 82.4440



49.8175, 41.7726, 100.0450



54.9850, 45.0524, 82.8894



14.5937, 14.7358, 18.9974



9.4943, 3.9304, 44.0012



0.8326, 0.3535, 3.4592

Inverse Universe

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



58.1411, 46.9764, 69.6223



67.7838, 51.4678, 81.3132



53.6437, 70.1879, 43.5228



15.5400, 15.2439, 18.1291



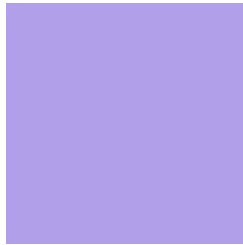
23.4103, 11.5668, 23.7599



1.8769, 0.9237, 2.0691

Previews

White Background



This preview shows how the XYZ color 45.4662, 40.1444, 82.4431 looks on a white background.

Color Contrast Check

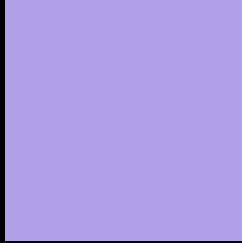
Large Text (above 18pt) WCAG AA × Fail

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 45.4662, 40.1444, 82.4431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

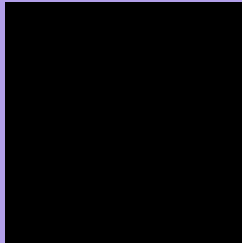
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4662, 40.1444, 82.4431

Background



This preview shows how black text looks on a background with the XYZ color 45.4662, 40.1444, 82.4431.



This preview shows how white text looks on a background with the XYZ color 45.4662, 40.1444,

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

45.4662, 40.1444, 82.4431

Protanopia

41.7596, 40.2246, 88.0012

Deuteranopia

41.3753, 40.4502, 81.2283



Tritanopia

38.9937, 40.1883, 49.9579

Trichromacy



Original Color

45.4662, 40.1444, 82.4431

Protanomaly

42.8596, 40.0363, 85.5896

Deuteranomaly

42.7186, 40.3135, 81.8737

Tritanomaly

41.0110, 39.8980, 60.7979

Monochromacy



Original Color

45.4662, 40.1444, 82.4431

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.5322, 41.0594, 57.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4662, 40.1444, 82.4431 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(178, 159, 233)` looks like.

```
.text, #text, p{  
    color:rgb(178, 159, 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(178, 159, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 159, 233) }
```

Border

The CSS property to change the border of an element to XYZ 45.4662, 40.1444, 82.4431 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(178, 159, 233) }
```


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

```
.border{ border-color:rgb(178, 159, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 159, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 159, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 159, 233);  
box-shadow:4px 4px 4px 4px rgb(178, 159,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4662, 40.1444, 82.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 159, 233) }
```

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

```
.background{ background-color: rgb(178,  
159, 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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