

Converting Colors

XYZ(45.7401, 38.3418, 80.5913)

Have a look what the booklet for
XYZ(45.7401, 38.3418, 80.5913)
contains.

XYZ(45.7401, 38.3418, 80.5913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7401, 38.3418,
80.5913)**

Conversions

Conversions Part 1

Format	Color
Hex	BA97E7
RGB	186, 151, 231
RGB Percent	73%, 59%, 91%
CMY	0.2706, 0.4078, 0.0941
CMYK	0.19, 0.35, 0.00, 0.09
HSL	266°, 63%, 75%
HSV	266°, 35%, 91%
XYZ	45.7401, 38.3418, 80.5913
YIQ	170.5850, -4.8200, 32.3000

Conversions

Conversions Part 2

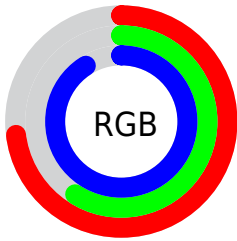
Format	Color
RYB	186, 151, 231
Decimal	12228583
CIELab	68.27, 28.58, -35.62
CIELCh	68, 45.668, 308.746
Yxy	38.3418, 0.2778, 0.2328
Android (android.graphics.Color)	4290418663 (0xFFBA97E7)
YUV	170.5850, 29.7846, 13.5190
Hunter-Lab	61.9208, 23.4944, -33.8228

Details

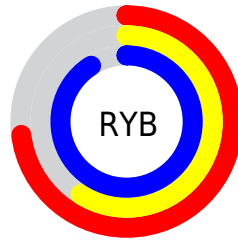
The XYZ color **45.7401, 38.3418, 80.5913** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.9279, 71.1229, 40.0074**, and the grayscale version is **38.3591, 40.3568, 43.9485**.

A 20% lighter version of the original color is **77.0835, 70.4173, 104.1369**, and **21.6551, 17.0348, 42.7041** is the 20% darker color. If you saturate the color by 10%, you get **39.3660, 30.0680, 79.3309**, and if you desaturate by 10%, it is **53.1322, 48.2234, 82.1097**.

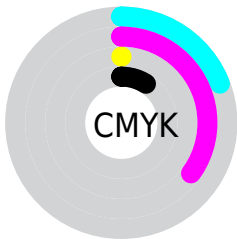
Distribution



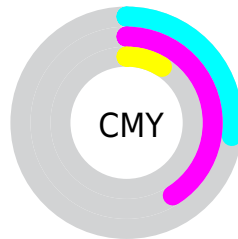
- Red (73%)
- Green (59%)
- Blue (91%)



- Red (73%)
- Yellow (59%)
- Blue (91%)



- Cyan (19%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7401, 38.3418, 80.5913 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 45.7401, 38.3418, 80.5913 by changing the saturation by 10% instead.

■ 45.7401, 38.3418,
80.5913

■ 45.7401, 38.3418,
80.5913

360.4963,
339.0839, 516.6825

■ 32.2445, 26.2481,
59.6760

■ 83.0601, 72.6317,
136.0156

■ 21.7048, 17.0093,
42.7340

■ 107.6153, 95.5967,
171.3618

■ 13.7555, 10.2411,
29.3466

136.5878,
122.9543, 212.3553

■ 8.0314, 5.5591,
19.0953

170.3428,
155.0887, 259.4148

■ 4.1670, 2.5789,
11.5617

209.2459,
192.3845, 312.9587

■ 1.7971, 0.9161,
6.3271

253.6622,

■ 0.5159, 0.0000,

235.2261, 373.4056

2.9730

303.9572,
283.9978, 441.1740

■ 0.0000, 0.0000,
1.0809

■ 0.0000, 0.0000,
0.0000

■ 45.7401, 38.3418,
80.5913

■ 45.7401, 38.3418,
80.5913

■ 39.3660, 30.0680,
79.3309

■ 53.1322, 48.2234,
82.1097

■ 33.9557, 23.3078,
78.3112

■ 61.5850, 59.7903,
83.8968

■ 29.4553, 17.9645,
77.5170

■ 71.1433, 73.1206,
85.9660

■ 25.8034, 13.9274,
76.9303

■ 81.8479, 88.2861,
88.3291

■ 22.9297, 11.0688,
76.5300

■ 89.9573, 97.7935,
89.7368

■ 20.7495, 9.2330,
76.2905

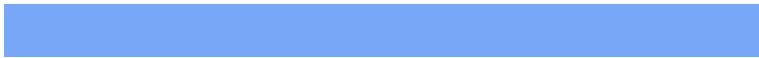
■ 91.4239, 98.5496,
89.8054

■ 19.7978, 8.5399,
76.2069

Harmonies

Analogous

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



38.5729, 38.3418, 93.9939



45.7401, 38.3418, 80.5913



50.8127, 38.3418, 57.7056

Triad

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



45.7401, 38.3418, 80.5913



41.6560, 38.3418, 14.7576



24.4755, 38.3418, 48.0239

Complementary

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



45.7401, 38.3418, 80.5913



56.9279, 71.1229, 40.0074

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.



25.0748, 38.3418, 29.0417



45.7401, 38.3418, 80.5913



34.3924, 38.3418, 13.6754

Square

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



45.7401, 38.3418, 80.5913



48.2486, 38.3418, 21.6390



28.4992, 38.3418, 17.9568



26.7392, 38.3418, 71.5496

Rectangle

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



45.7401, 38.3418, 80.5913



51.9843, 38.3418, 42.6152



28.4992, 38.3418, 17.9568



24.3557, 38.3418, 40.8920

Sweetspot

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



45.7414, 38.3434, 80.5922



82.3663, 82.1761, 106.1281



47.0028, 51.9806, 83.1579



17.2729, 17.0923, 22.6387



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.



45.7414, 38.3434, 80.5922



51.0670, 39.9381, 99.6250



56.7511, 44.0190, 81.1074



14.1781, 14.1940, 18.1368



11.2358, 4.8581, 42.7287



0.9353, 0.4132, 3.1624

Inverse Universe

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



53.9865, 43.1091, 57.7013



63.2171, 46.9696, 65.5014



47.9379, 66.4884, 39.5866



14.7148, 14.5031, 16.6986



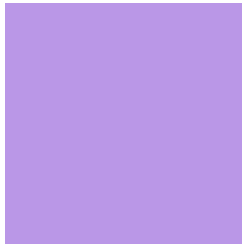
20.7950, 10.4522, 13.0814



1.5832, 0.7910, 1.2115

Previews

White Background



This preview shows how the XYZ color 45.7401, 38.3418, 80.5913 looks on a white background.

Color Contrast Check

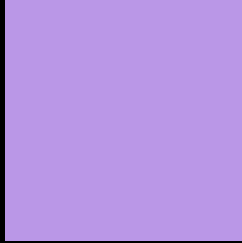
Large Text (above 18pt) WCAG AA × Fail

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 45.7401, 38.3418, 80.5913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

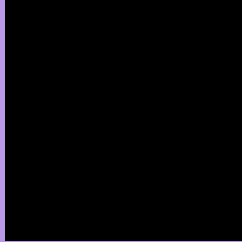
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7401, 38.3418, 80.5913

Background



This preview shows how black text looks on a background with the XYZ color 45.7401, 38.3418, 80.5913.



This preview shows how white text looks on a background with the XYZ color 45.7401, 38.3418,

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

45.7401, 38.3418, 80.5913

Protanopia

40.1371, 38.5645, 88.5473

Deuteranopia

39.3117, 38.3554, 78.7302



Tritanopia

38.5627, 38.1659, 45.8917

Trichromacy



Original Color

45.7401, 38.3418, 80.5913

Protanomaly

41.5888, 38.0788, 85.2787

Deuteranomaly

41.2389, 38.0305, 79.2958

Tritanomaly

40.8996, 38.0971, 56.8276

Monochromacy



Original Color

45.7401, 38.3418, 80.5913

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.8056, 39.6313, 55.9510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7401, 38.3418, 80.5913 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(186, 151, 231)` looks like.

```
.text, #text, p{  
    color:rgb(186, 151, 231)  
}
```

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(186, 151, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 151, 231) }
```

Border

The CSS property to change the border of an element to XYZ 45.7401, 38.3418, 80.5913 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(186, 151, 231) }
```


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

```
.border{ border-color:rgb(186, 151, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 151, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 151, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 151, 231);  
box-shadow:4px 4px 4px 4px rgb(186, 151,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7401, 38.3418, 80.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 151, 231) }
```

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

```
.background{ background-color: rgb(186,  
151, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor