

Converting Colors

XYZ(45.8863, 40.3181, 77.5550)

Have a look what the booklet for
XYZ(45.8863, 40.3181, 77.5550)
contains.

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Color

**XYZ(45.7215, 40.1351,
77.2886)**

Conversions

Conversions Part 1

Format	Color
Hex	B89EE2
RGB	184, 158, 226
RGB Percent	72%, 62%, 89%
CMY	0.2784, 0.3804, 0.1137
CMYK	0.19, 0.30, 0.00, 0.11
HSL	263°, 54%, 75%
HSV	263°, 30%, 89%
XYZ	45.7215, 40.1351, 77.2886
YIQ	173.5260, -6.3320, 26.6600

Conversions

Conversions Part 2

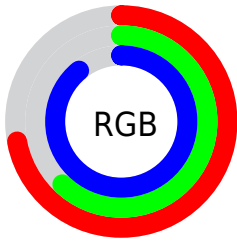
Format	Color
RYB	184, 158, 226
Decimal	12099298
CIELab	69.57, 22.95, -30.88
CIELCh	70, 38.477, 306.621
Yxy	40.1351, 0.2803, 0.2460
Android (android.graphics.Color)	4290289378 (0xFFB89EE2)
YUV	173.5260, 25.8697, 9.1857
Hunter-Lab	63.3523, 17.9575, -27.9861

Details

The XYZ color **45.7215, 40.1351, 77.2886** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.1886, 69.1417, 42.6811**, and the grayscale version is **39.8644, 41.9405, 45.6732**.

A 20% lighter version of the original color is **78.1199, 73.5093, 104.6791**, and **21.6157, 17.9562, 40.3568** is the 20% darker color. If you saturate the color by 10%, you get **39.0349, 31.4828, 75.9716**, and if you desaturate by 10%, it is **53.4496, 50.3785, 78.8591**.

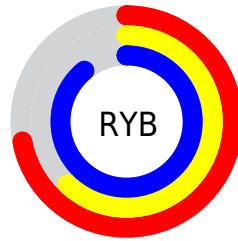
Distribution



Red (72%)

Green (62%)

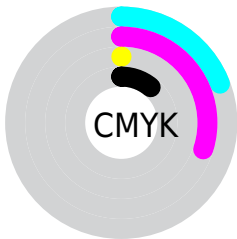
Blue (89%)



Red (72%)

Yellow (62%)

Blue (89%)

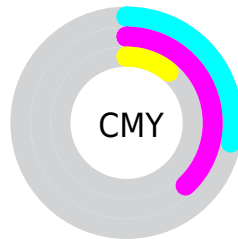


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (28%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7215, 40.1351, 77.2886 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 45.7215, 40.1351, 77.2886 by changing the saturation by 10% instead.

45.7215, 40.1351,
77.2886

45.7215, 40.1351,
77.2886

360.4226,
346.6927, 505.2112

32.2298, 27.6439,
56.9768

83.0325, 75.3692,
131.3235

21.6935, 18.0574,
40.5774

107.5824, 98.8809,
165.8837

13.7472, 10.9912,
27.6718

136.5492,
126.8348, 206.0305

8.0256, 6.0609,
17.8415

170.2981,
159.6155, 252.1823

4.1633, 2.8822,
10.6680

209.1946,
197.6072, 304.7577

1.7949, 1.0705,
5.7327

253.6039,

0.5146, 0.0000,

241.1944, 364.1753

2.6171

303.8915,
290.7614, 430.8537

■ 0.0000, 0.0000,
0.9013

■ 0.0000, 0.0000,
0.0000

■ 45.7215, 40.1351,
77.2886

■ 45.7215, 40.1351,
77.2886

■ 39.0349, 31.4828,
75.9716

■ 53.4496, 50.3785,
78.8591

■ 33.3374, 24.3339,
74.8920

■ 62.2602, 62.2846,
80.6929

■ 28.5778, 18.5996,
74.0361

■ 72.1970, 75.9266,
82.8023

■ 24.6979, 14.1796,
73.3874

■ 83.2998, 91.3718,
85.1983

■ 21.6325, 10.9594,
72.9274

■ 90.2866, 98.0437,
86.1179

■ 19.3053, 8.8039,
72.6340

■ 90.7276, 98.2710,
86.1385

■ 17.6032, 7.4890,
72.4699

Harmonies

Analogous

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



39.5404, 40.1351, 87.2240



45.7215, 40.1351, 77.2886



50.1890, 40.1351, 58.7209

Triad

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



45.7215, 40.1351, 77.2886



43.0836, 40.1351, 19.2289



27.4743, 40.1351, 47.7625

Complementary

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



45.7215, 40.1351, 77.2886



57.1886, 69.1417, 42.6811

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.



28.2043, 40.1351, 31.4881



45.7215, 40.1351, 77.2886



36.7871, 40.1351, 17.7751

Square

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



45.7215, 40.1351, 77.2886



48.5542, 40.1351, 26.3125



31.4593, 40.1351, 21.6011



29.3449, 40.1351, 67.4347

Rectangle

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



45.7215, 40.1351, 77.2886



51.3498, 40.1351, 45.7467



31.4593, 40.1351, 21.6011



27.4270, 40.1351, 41.7158

Sweetspot

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



45.7228, 40.1367, 77.2895



83.1365, 83.6313, 106.3684



48.7316, 54.5659, 79.9160



17.4072, 17.3723, 22.6857



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.



45.7228, 40.1367, 77.2895



54.5504, 45.5319, 100.5212



54.5510, 44.6878, 77.7027



13.4450, 13.4974, 17.2843



10.1651, 4.3356, 41.3495



0.8022, 0.3508, 2.8707

Inverse Universe

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



54.0175, 44.7942, 60.4443



67.2779, 52.6875, 74.2650



49.3197, 65.0851, 42.3128



14.0613, 13.8422, 16.0930



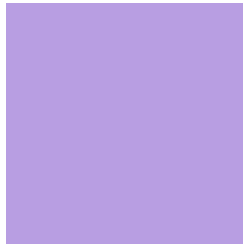
20.6361, 10.3214, 15.2815



1.4736, 0.7327, 1.2871

Previews

White Background



This preview shows how the XYZ color 45.7215, 40.1351, 77.2886 looks on a white background.

Color Contrast Check

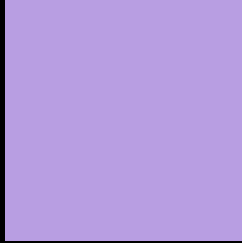
Large Text (above 18pt) WCAG AA × Fail

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 45.7215, 40.1351, 77.2886 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 45.7215, 40.1351, 77.2886

Background



This preview shows how black text looks on a background with the XYZ color 45.7215, 40.1351, 77.2886.



This preview shows how white text looks on a background with the XYZ color 45.7215, 40.1351,

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

45.7215, 40.1351, 77.2886

Protanopia

41.4731, 40.4678, 82.7160

Deuteranopia

41.1779, 40.1873, 76.1076



Tritanopia

39.9614, 40.1628, 48.8260

Trichromacy



Original Color

45.7215, 40.1351, 77.2886

Protanomaly

42.6626, 40.0506, 80.3449

Deuteranomaly

42.8024, 40.2027, 76.7381

Tritanomaly

41.9439, 40.1658, 58.3654

Monochromacy



Original Color

45.7215, 40.1351, 77.2886

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.9884, 41.3205, 56.2147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7215, 40.1351, 77.2886 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(184, 158, 226)` looks like.

```
.text, #text, p{  
    color:rgb(184, 158, 226)  
}
```

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(184, 158, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 158, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.7215, 40.1351, 77.2886 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(184, 158, 226) }
```


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

```
.border{ border-color:rgb(184, 158, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 158, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 158, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 158, 226);  
box-shadow:4px 4px 4px 4px rgb(184, 158,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7215, 40.1351, 77.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 158, 226) }
```

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

```
.background{ background-color: rgb(184,  
158, 226) }
```

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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