

Converting Colors

XYZ(48.7899, 45.5443, 74.6260)

Have a look what the booklet for
XYZ(48.7899, 45.5443, 74.6260)
contains.

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Color

**XYZ(48.7899, 45.5443,
74.6260)**

Conversions

Conversions Part 1

Format	Color
Hex	BDACDD
RGB	189, 172, 221
RGB Percent	74%, 67%, 87%
CMY	0.2588, 0.3255, 0.1333
CMYK	0.14, 0.22, 0.00, 0.13
HSL	261°, 42%, 77%
HSV	261°, 22%, 87%
XYZ	48.7899, 45.5443, 74.6260
YIQ	182.6690, -5.5970, 18.8430

Conversions

Conversions Part 2

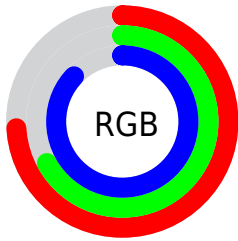
Format	Color
RYB	189, 172, 221
Decimal	12430557
CIELab	73.25, 15.65, -22.46
CIELCh	73, 27.374, 304.873
Yxy	45.5443, 0.2888, 0.2696
Android (android.graphics.Color)	4290620637 (0xFFBDACDD)
YUV	182.6690, 18.8972, 5.5523
Hunter-Lab	67.4865, 10.9466, -18.3218

Details

The XYZ color **48.7899, 45.5443, 74.6260** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.2062, 67.5299, 48.9986**, and the grayscale version is **44.7318, 47.0613, 51.2498**.

A 20% lighter version of the original color is **83.5251, 81.7510, 105.9850**, and **23.5911, 21.3370, 38.9515** is the 20% darker color. If you saturate the color by 10%, you get **41.5249, 36.0667, 73.1803**, and if you desaturate by 10%, it is **57.1136, 56.6082, 76.3236**.

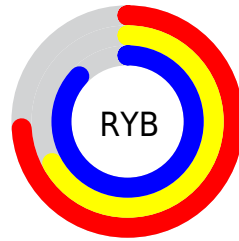
Distribution



Red (74%)

Green (67%)

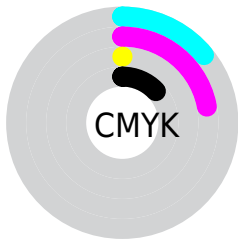
Blue (87%)



Red (74%)

Yellow (67%)

Blue (87%)

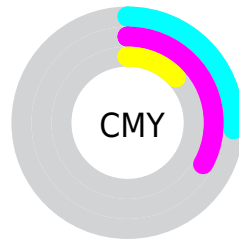


Cyan (14%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (26%)

Magenta (33%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7899, 45.5443, 74.6260 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 48.7899, 45.5443, 74.6260 by changing the saturation by 10% instead.

■ 48.7899, 45.5443,
74.6260

■ 48.7899, 45.5443,
74.6260

372.4453,
368.9735, 495.8522

■ 34.6667, 31.8864,
54.8067

■ 87.5819, 83.5366,
127.5250

■ 23.5715, 21.2747,
38.8494

112.9815,
108.6397, 161.4418

■ 15.1391, 13.3250,
26.3357

142.8705,
138.3267, 200.8948

■ 9.0040, 7.6527,
16.8469

177.6143,
172.9820, 246.3026

■ 4.8009, 3.8735,
9.9646

217.5784,
212.9899, 298.0837

■ 2.1645, 1.6031,
5.2702

263.1280,

■ 0.7239, 0.3597,

258.7349, 356.6566

2.3452

314.6285,
310.6013, 422.4399

■ 0.0000, 0.0000,
0.7563

■ 0.0000, 0.0000,
0.0000

■ 48.7899, 45.5443,
74.6260

■ 48.7899, 45.5443,
74.6260

■ 41.5249, 36.0667,
73.1803

■ 57.1136, 56.6082,
76.3236

■ 35.2692, 28.0953,
71.9713

■ 66.5336, 69.3221,
78.2811

■ 29.9761, 21.5514,
70.9872

■ 77.0912, 83.7533,
80.5102

■ 25.5928, 16.3466,
70.2136

■ 87.0756, 96.4665,
82.4378

■ 22.0611, 12.3826,
69.6346

■ 90.0513, 98.0005,
82.5771

■ 19.3154, 9.5466,
69.2319

■ 17.2781, 7.7041,
68.9837

■ 16.0852, 6.7846,
68.8691

Harmonies

Analogous

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



44.0782, 45.5443, 80.9099



48.7899, 45.5443, 74.6260



52.2055, 45.5443, 61.6984

Triad

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



48.7899, 45.5443, 74.6260



47.3323, 45.5443, 29.2811



34.7183, 45.5443, 51.8721

Complementary

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



48.7899, 45.5443, 74.6260



58.2062, 67.5299, 48.9986

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.



35.4495, 45.5443, 39.1795



48.7899, 45.5443, 74.6260



42.5083, 45.5443, 27.6182

Square

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



48.7899, 45.5443, 74.6260



51.3212, 45.5443, 35.9452



38.2170, 45.5443, 30.8919



36.1410, 45.5443, 66.3129

Rectangle

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



48.7899, 45.5443, 74.6260



53.1602, 45.5443, 51.9930



38.2170, 45.5443, 30.8919



34.7214, 45.5443, 47.2622

Sweetspot

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



48.7913, 45.5462, 74.6270



85.4581, 86.9910, 106.8945



51.8176, 57.4959, 76.7740



18.1223, 18.3913, 22.8447



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.



48.7913, 45.5462, 74.6270



62.2289, 56.1079, 102.1578



55.1973, 48.8486, 74.9268



12.7626, 12.8357, 16.4570



9.4545, 3.9982, 40.0118



0.7036, 0.3060, 2.5964

Inverse Universe

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



55.4719, 49.2387, 63.7090



73.2705, 62.2171, 83.8336



52.1656, 64.4159, 48.7159



13.4125, 13.1941, 15.4335



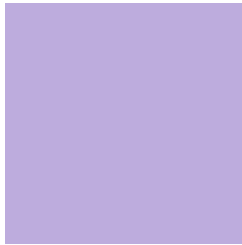
20.3166, 10.1277, 16.5791



1.3563, 0.6721, 1.2850

Previews

White Background



This preview shows how the XYZ color 48.7899, 45.5443, 74.6260 looks on a white background.

Color Contrast Check

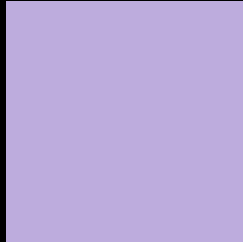
Large Text (above 18pt) WCAG AA × Fail

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 48.7899, 45.5443, 74.6260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

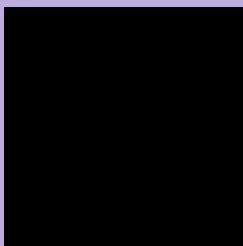
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7899, 45.5443, 74.6260

Background



This preview shows how black text looks on a background with the XYZ color 48.7899, 45.5443, 74.6260.



This preview shows how white text looks on a background with the XYZ color 48.7899, 45.5443,

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

48.7899, 45.5443, 74.6260

Protanopia

45.6595, 45.6019, 77.6297

Deuteranopia

46.5751, 45.5651, 74.0503



Tritanopia

44.8933, 45.3962, 55.6864

Trichromacy



Original Color

48.7899, 45.5443, 74.6260

Protanomaly

46.8844, 45.6626, 76.8637

Deuteranomaly

47.3043, 45.6510, 74.0285

Tritanomaly

46.2403, 45.3633, 62.1960

Monochromacy



Original Color

48.7899, 45.5443, 74.6260

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.2057, 46.5857, 59.3800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7899, 45.5443, 74.6260 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(189, 172, 221)` looks like.

```
.text, #text, p{  
    color:rgb(189, 172, 221)  
}
```

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(189, 172, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 172, 221) }
```

Border

The CSS property to change the border of an element to XYZ 48.7899, 45.5443, 74.6260 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(189, 172, 221) }
```


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

```
.border{ border-color:rgb(189, 172, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 172, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 172, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 172, 221);  
box-shadow:4px 4px 4px 4px rgb(189, 172,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7899, 45.5443, 74.6260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 172, 221) }
```

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

```
.background{ background-color: rgb(189,  
172, 221) }
```

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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