

Converting Colors

XYZ(48.9171, 38.4399, 52.2717)

Have a look what the booklet for
XYZ(48.9171, 38.4399, 52.2717)
contains.

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Color

**XYZ(48.8743, 38.5064,
52.4335)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8EBC
RGB	222, 142, 188
RGB Percent	87%, 56%, 74%
CMY	0.1294, 0.4431, 0.2627
CMYK	0.00, 0.36, 0.15, 0.13
HSL	326°, 55%, 71%
HSV	326°, 36%, 87%
XYZ	48.8743, 38.5064, 52.4335
YIQ	171.1640, 32.9140, 31.2660

Conversions

Conversions Part 2

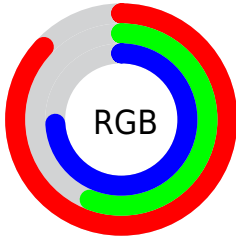
Format	Color
R _Y B	222, 142, 188
Decimal	14585532
CIE Lab	68.39, 36.82, -11.26
CIE LCh	68, 38.499, 342.994
Yxy	38.5064, 0.3496, 0.2754
Android (android.graphics.Color)	4292775612 (0xFFDE8EBC)
YUV	171.1640, 8.3001, 44.5832
Hunter-Lab	62.0535, 31.9956, -6.6609

Details

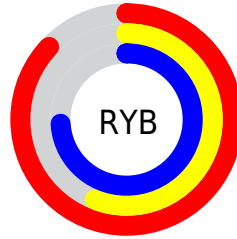
The XYZ color **48.8743, 38.5064, 52.4335** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.1147, 61.1290, 50.4983**, and the grayscale version is **38.7401, 40.7576, 44.3850**.

A 20% lighter version of the original color is **77.5354, 67.7242, 94.5735**, and **23.5464, 17.0609, 24.9737** is the 20% darker color. If you saturate the color by 10%, you get **44.9103, 32.1530, 46.2568**, and if you desaturate by 10%, it is **53.5648, 46.2055, 59.1813**.

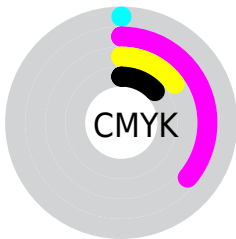
Distribution



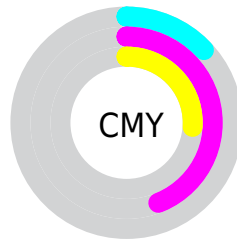
- Red (87%)
- Green (56%)
- Blue (74%)



- Red (87%)
- Yellow (56%)
- Blue (74%)



- Cyan (0%)
- Magenta (36%)
- Yellow (15%)
- Black (13%)





- Cyan (13%)
- Magenta (44%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8743, 38.5064, 52.4335 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 48.8743, 38.5064, 52.4335 by changing the saturation by 10% instead.


 48.8743, 38.5064,
52.4335

 48.8743, 38.5064,
52.4335


372.7724,
339.7873, 413.1124

 34.7339, 26.3760,
36.9661


 87.7066, 72.8837,
95.2033

 23.6235, 17.1051,
24.8857


 113.1292, 95.8993,
123.3428

 15.1778, 10.3095,
15.7736


143.0432,
123.3120, 156.5435

 9.0314, 5.6046,
9.2115

177.8140,
155.5064, 195.2238

 4.8189, 2.6062,
4.7807

217.8070,
192.8667, 239.8023

 2.1751, 0.9298,
2.0627

263.3875,

 0.7296, 0.0000,

235.7773, 290.6975

0.5934

314.9209,
284.6228, 348.3280

■ 0.0000, 0.0000,
0.0000

■ 48.8743, 38.5064,
52.4335

■ 48.8743, 38.5064,
52.4335

■ 44.9103, 32.1530,
46.2568

■ 53.5648, 46.2055,
59.1813

■ 41.6289, 27.0608,
40.6292

■ 59.0157, 55.3174,
66.5163

■ 38.9865, 23.1444,
35.5302

■ 65.2627, 65.9111,
74.4568

■ 36.9328, 20.3050,
30.9362

■ 72.3382, 78.0497,
83.0193

■ 35.4091, 18.4278,
26.8211

■ 80.2727, 91.7924,
92.2195

■ 34.3431, 17.3701,
23.1535

■ 82.3070, 93.6187,
99.8098

■ 33.9974, 17.0789,
21.8046

■ 83.7818, 94.2087,
107.5759

■ 83.9344, 94.2697,
108.3798

Harmonies

Analogous

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



45.1092, 38.5064, 71.2843



48.8743, 38.5064, 52.4335



49.1301, 38.5064, 34.8804

Triad

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



48.8743, 38.5064, 52.4335



34.0480, 38.5064, 17.1406



28.7405, 38.5064, 68.9626

Complementary

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



48.8743, 38.5064, 52.4335



45.1147, 61.1290, 50.4983

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.



26.4037, 38.5064, 49.8638



48.8743, 38.5064, 52.4335



29.2330, 38.5064, 21.9916

Square

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



48.8743, 38.5064, 52.4335



40.1043, 38.5064, 17.4749



26.5734, 38.5064, 32.9269



33.3045, 38.5064, 82.4840

Rectangle

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



48.8743, 38.5064, 52.4335



47.2366, 38.5064, 26.2899



26.5734, 38.5064, 32.9269



27.6922, 38.5064, 62.7863

Sweetspot

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



48.8754, 38.5082, 52.4343



84.8849, 82.6466, 96.3344



40.6136, 33.7745, 73.4864



17.9212, 17.2702, 20.3034



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.



48.8754, 38.5082, 52.4343



62.8530, 46.1915, 65.5336



45.1969, 37.0368, 33.0632



14.0359, 13.8320, 15.9592



20.2504, 10.1671, 13.2501



1.4482, 0.7225, 1.1528

Inverse Universe

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



48.8754, 38.5082, 52.4343



62.8530, 46.1915, 65.5336



49.5865, 62.9177, 74.0464



14.0359, 13.8320, 15.9592



20.2504, 10.1671, 13.2501



1.4482, 0.7225, 1.1528

Previews

White Background



This preview shows how the XYZ color 48.8743, 38.5064, 52.4335 looks on a white background.

Color Contrast Check

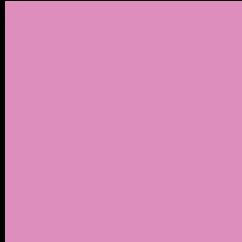
Large Text (above 18pt) WCAG AA × Fail

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 48.8743, 38.5064, 52.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

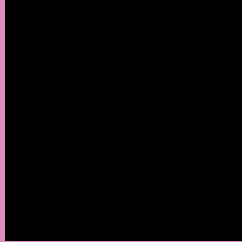
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8743, 38.5064, 52.4335

Background



This preview shows how black text looks on a background with the XYZ color 48.8743, 38.5064, 52.4335.



This preview shows how white text looks on a background with the XYZ color 48.8743, 38.5064,

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

48.8743, 38.5064, 52.4335

Protanopia

38.8334, 39.0030, 62.6083

Deuteranopia

39.4281, 38.7690, 50.7525



Tritanopia

45.9051, 38.4307, 37.7993

Trichromacy



Original Color

48.8743, 38.5064, 52.4335



Protanomaly

41.5414, 38.1362, 58.5976



Deuteranomaly

42.2165, 38.1519, 51.0379



Tritanomaly

46.8963, 38.3687, 42.9644

Monochromacy



Original Color

48.8743, 38.5064, 52.4335



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.7418, 39.2631, 46.9735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8743, 38.5064, 52.4335 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(222, 142, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 142, 188)  
}
```

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(222, 142, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 142, 188) }
```

Border

The CSS property to change the border of an element to XYZ 48.8743, 38.5064, 52.4335 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(222, 142, 188) }
```


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

```
.border{ border-color:rgb(222, 142, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 142, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 142, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 142, 188);  
box-shadow:4px 4px 4px 4px rgb(222, 142,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8743, 38.5064, 52.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 142, 188) }
```

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

```
.background{ background-color: rgb(222,  
142, 188) }
```

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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