

Converting Colors

XYZ(48.8434, 39.1665, 49.7609)

Have a look what the booklet for
XYZ(48.8434, 39.1665, 49.7609)
contains.

XYZ(48.7968, 39.1993, 49.7941)	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(48.7968, 39.1993,
49.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	DE91B7
RGB	222, 145, 183
RGB Percent	87%, 57%, 72%
CMY	0.1294, 0.4314, 0.2823
CMYK	0.00, 0.35, 0.18, 0.13
HSL	330°, 54%, 72%
HSV	330°, 35%, 87%
XYZ	48.7968, 39.1993, 49.7941
YIQ	172.3550, 33.6940, 28.1420

Conversions

Conversions Part 2

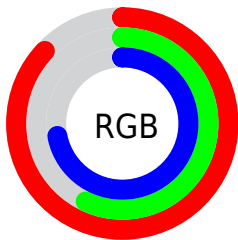
Format	Color
R _Y B	222, 145, 183
Decimal	14586295
CIE Lab	68.90, 34.43, -7.72
CIE LCh	69, 35.289, 347.369
Yxy	39.1993, 0.3541, 0.2845
Android (android.graphics.Color)	4292776375 (0xFFDE91B7)
YUV	172.3550, 5.2480, 43.5387
Hunter-Lab	62.6093, 29.5539, -3.3276

Details

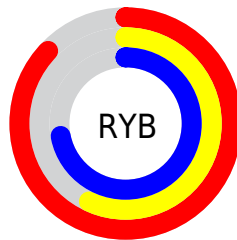
The XYZ color **48.7968, 39.1993, 49.7941** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.4517, 61.7240, 54.8159**, and the grayscale version is **39.3558, 41.4053, 45.0904**.

A 20% lighter version of the original color is **77.4743, 68.8005, 90.8579**, and **23.4607, 17.4397, 23.2488** is the 20% darker color. If you saturate the color by 10%, you get **44.6062, 32.6166, 42.8517**, and if you desaturate by 10%, it is **53.7460, 47.1486, 57.4516**.

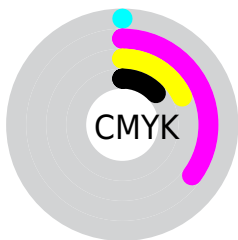
Distribution



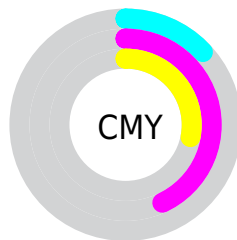
- Red (87%)
- Green (57%)
- Blue (72%)



- Red (87%)
- Yellow (57%)
- Blue (72%)



- Cyan (0%)
- Magenta (35%)
- Yellow (18%)
- Black (13%)





- Cyan (13%)
- Magenta (43%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7968, 39.1993, 49.7941 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 48.7968, 39.1993, 49.7941 by changing the saturation by 10% instead.


 48.7968, 39.1993,
49.7941


 48.7968, 39.1993,
49.7941


372.4721,
342.7371, 402.5722

 34.6722, 26.9148,
34.8798


 87.5921, 73.9427,
91.2629

 23.5758, 17.5092,
23.2875


 112.9935, 97.1704,
118.6545

 15.1423, 10.5982,
14.5986


142.8846,
124.8146, 151.0422

 9.0063, 5.7974,
8.3947

177.6307,
157.2597, 188.8446

 4.8024, 2.7223,
4.2572

217.5971,
194.8901, 232.4803

 2.1654, 0.9885,
1.7675

263.1492,

 0.7244, 0.0000,

238.0902, 282.3677

0.4064

314.6524,
287.2444, 338.9255

■ 0.0000, 0.0000,
0.0000

■ 48.7968, 39.1993,
49.7941

■ 48.7968, 39.1993,
49.7941

■ 44.6062, 32.6166,
42.8517

■ 53.7460, 47.1486,
57.4516

■ 41.1298, 27.3166,
36.5976

■ 59.4881, 56.5312,
65.8448

■ 38.3238, 23.2147,
31.0065

■ 66.0594, 67.4158,
74.9961

■ 36.1375, 20.2136,
26.0500

■ 73.4927, 79.8651,
84.9263

■ 34.5128, 18.2005,
21.6966

■ 81.4976, 93.2950,
95.5480

■ 33.3787, 17.0380,
17.9101

■ 83.2134, 93.9813,
104.5835

■ 32.9145, 16.6457,
16.1026

■ 83.9343, 94.2697,
108.3798

Harmonies

Analogous

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



45.7642, 39.1993, 67.1890



48.7968, 39.1993, 49.7941



48.5213, 39.1993, 34.1132

Triad

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



48.7968, 39.1993, 49.7941



34.1317, 39.1993, 19.4779



30.4238, 39.1993, 69.6605

Complementary

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



48.7968, 39.1993, 49.7941



46.4517, 61.7240, 54.8159

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.



27.8880, 39.1993, 52.5760



48.7968, 39.1993, 49.7941



29.8767, 39.1993, 25.0017

Square

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



48.7968, 39.1993, 49.7941



39.6649, 39.1993, 19.0890



27.6983, 39.1993, 36.2804



34.9500, 39.1993, 80.4472

Rectangle

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



48.7968, 39.1993, 49.7941



46.4977, 39.1993, 26.5527



27.6983, 39.1993, 36.2804



29.3309, 39.1993, 64.2935

Sweetspot

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



48.7979, 39.2011, 49.7949



85.4375, 83.9916, 95.7793



42.9595, 35.6555, 73.7256



18.0183, 17.5331, 20.1245



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.



48.7979, 39.2011, 49.7949



62.3276, 46.6138, 60.8176



45.3619, 37.8267, 31.7008



13.9878, 13.8128, 15.7059



19.6065, 9.9096, 9.8593



1.4042, 0.7049, 0.9213

Inverse Universe

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



48.7979, 39.2011, 49.7949



62.3276, 46.6138, 60.8176



50.9843, 63.5370, 78.6843



13.9878, 13.8128, 15.7059



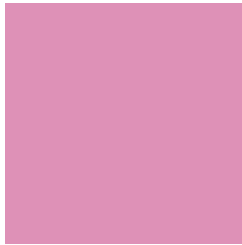
19.6065, 9.9096, 9.8593



1.4042, 0.7049, 0.9213

Previews

White Background



This preview shows how the XYZ color 48.7968, 39.1993, 49.7941 looks on a white background.

Color Contrast Check

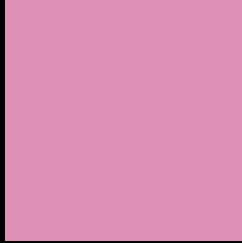
Large Text (above 18pt) WCAG AA × Fail

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 48.7968, 39.1993, 49.7941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

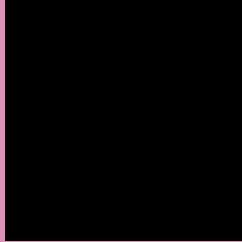
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7968, 39.1993, 49.7941

Background



This preview shows how black text looks on a background with the XYZ color 48.7968, 39.1993, 49.7941.



This preview shows how white text looks on a background with the XYZ color 48.7968, 39.1993,

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

48.7968, 39.1993, 49.7941

Protanopia

39.0010, 39.4552, 58.3834

Deuteranopia

40.3361, 39.5495, 48.6879



Tritanopia

46.3060, 39.0930, 38.3628

Trichromacy



Original Color

48.7968, 39.1993, 49.7941

Protanomaly

41.6797, 38.7924, 55.1601

Deuteranomaly

42.9031, 39.0522, 48.9927

Tritanomaly

47.1730, 39.2226, 42.1302

Monochromacy



Original Color

48.7968, 39.1993, 49.7941

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.9920, 39.9224, 46.5669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7968, 39.1993, 49.7941 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, 145, 183)` looks like.

```
.text, #text, p{  
    color:rgb(222, 145, 183)  
}
```

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, 145, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 145, 183) }
```

Border

The CSS property to change the border of an element to XYZ 48.7968, 39.1993, 49.7941 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, 145, 183) }
```


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

```
.border{ border-color:rgb(222, 145, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 145, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 145, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 145, 183);  
box-shadow:4px 4px 4px 4px rgb(222, 145,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7968, 39.1993, 49.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 145, 183) }
```

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

```
.background{ background-color: rgb(222,  
145, 183) }
```

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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