

Converting Colors

XYZ(49.9761, 39.9536, 47.1741)

Have a look what the booklet for
XYZ(49.9761, 39.9536, 47.1741)
contains.

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Color

**XYZ(49.8398, 39.7960,
47.1740)**

Conversions

Conversions Part 1

Format	Color
Hex	E391B2
RGB	227, 145, 178
RGB Percent	89%, 57%, 70%
CMY	0.1098, 0.4314, 0.3020
CMYK	0.00, 0.36, 0.22, 0.11
HSL	336°, 59%, 73%
HSV	336°, 36%, 89%
XYZ	49.8398, 39.7960, 47.1740
YIQ	173.2800, 38.2790, 27.6470

Conversions

Conversions Part 2

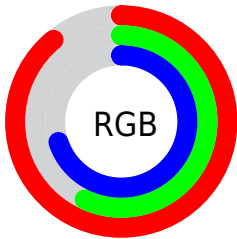
Format	Color
R_{YB}	227, 145, 178
Decimal	14913970
CIE _{Lab}	69.32, 35.42, -4.23
CIE _{LCh}	69, 35.671, 353.196
Yxy	39.7960, 0.3643, 0.2909
Android (android.graphics.Color)	4293104050 (0xFFE391B2)
YUV	173.2800, 2.3270, 47.1124
Hunter-Lab	63.0841, 30.6275, -0.1780

Details

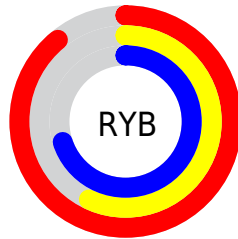
The XYZ color **49.8398, 39.7960, 47.1740** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.8855, 64.8540, 60.9835**, and the grayscale version is **39.8391, 41.9139, 45.6442**.

A 20% lighter version of the original color is **76.7456, 68.5091, 87.0205**, and **24.1936, 17.8554, 21.5733** is the 20% darker color. If you saturate the color by 10%, you get **45.4161, 33.0213, 39.3086**, and if you desaturate by 10%, it is **55.0935, 48.0142, 55.9815**.

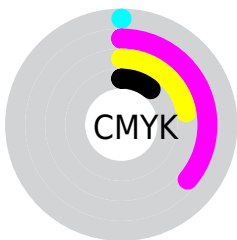
Distribution



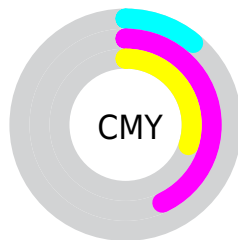
- Red (89%)
- Green (57%)
- Blue (70%)



- Red (89%)
- Yellow (57%)
- Blue (70%)



- Cyan (0%)
- Magenta (36%)
- Yellow (22%)
- Black (11%)





- Cyan (11%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8398, 39.7960, 47.1740 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 49.8398, 39.7960, 47.1740 by changing the saturation by 10% instead.


 49.8398, 39.7960,
47.1740


 49.8398, 39.7960,
47.1740


376.5015,
345.2630, 391.9225

 35.5034, 27.3795,
32.8179


 89.1307, 74.8528,
87.3260

 24.2192, 17.8585,
21.7170


 114.8159, 98.2619,
113.9590

 15.6219, 10.8484,
13.4528


145.0148,
126.1039, 145.5213

 9.3462, 5.9650,
7.6067

180.0927,
158.7634, 182.4316

 5.0266, 2.8238,
3.7602

220.4150,
196.6246, 225.1083

 2.2978, 1.0405,
1.4947

266.3469,

 0.7935, 0.0000,

240.0721, 273.9700

0.2140

318.2540,
289.4900, 329.4352

■ 0.0000, 0.0000,
0.0000

■ 49.8398, 39.7960,
47.1740

■ 49.8398, 39.7960,
47.1740

■ 45.4161, 33.0213,
39.3086

■ 55.0935, 48.0142,
55.9815

■ 41.7735, 27.6000,
32.3485

■ 61.2155, 57.7480,
65.7611

■ 38.8632, 23.4404,
26.2578

■ 68.2459, 69.0712,
76.5441

■ 36.6291, 20.4371,
20.9966

■ 76.2211, 82.0512,
88.3598

■ 35.0059, 18.4671,
16.5210

■ 84.0468, 94.4942,
100.8598

■ 33.9137, 17.3779,
12.7806

■ 85.4887, 95.0710,
108.4525

■ 33.5820, 17.0923,
11.5052

Harmonies

Analogous

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



47.3394, 39.7960, 65.0906



49.8398, 39.7960, 47.1740



48.8700, 39.7960, 32.0640

Triad

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



49.8398, 39.7960, 47.1740



33.6534, 39.7960, 20.3360



31.6070, 39.7960, 73.7863

Complementary

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



49.8398, 39.7960, 47.1740



48.8855, 64.8540, 60.9835

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.



28.5836, 39.7960, 56.9696



49.8398, 39.7960, 47.1740



29.6791, 39.7960, 27.0578

Square

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



49.8398, 39.7960, 47.1740



39.1440, 39.7960, 18.9634



27.9150, 39.7960, 39.7027



36.5358, 39.7960, 82.7704

Rectangle

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



49.8398, 39.7960, 47.1740



46.4293, 39.7960, 25.1384



27.9150, 39.7960, 39.7027



30.3552, 39.7960, 68.6858

Sweetspot

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



49.8409, 39.7979, 47.1748



84.1630, 82.3578, 92.5328



45.9420, 37.1145, 77.4158



17.7493, 17.2014, 19.3983



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.



49.8409, 39.7979, 47.1748



60.6558, 45.3127, 53.9635



47.9920, 40.7796, 32.1321



14.6161, 14.4636, 16.1788



19.6392, 9.9899, 6.9949



1.4962, 0.7562, 0.7536

Inverse Universe

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



49.8409, 39.7979, 47.1748



60.6558, 45.3127, 53.9635



51.1804, 62.8407, 82.1054



14.6161, 14.4636, 16.1788



19.6392, 9.9899, 6.9949



1.4962, 0.7562, 0.7536

Previews

White Background



This preview shows how the XYZ color 49.8398, 39.7960, 47.1740 looks on a white background.

Color Contrast Check

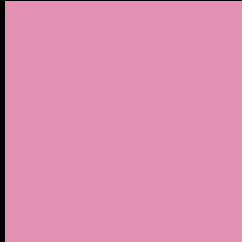
Large Text (above 18pt) WCAG AA × Fail

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 49.8398, 39.7960, 47.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

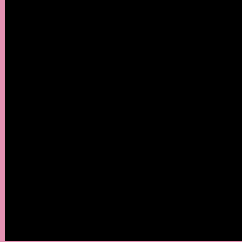
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8398, 39.7960, 47.1740

Background



This preview shows how black text looks on a background with the XYZ color 49.8398, 39.7960, 47.1740.



This preview shows how white text looks on a background with the XYZ color 49.8398, 39.7960,

47.1740.

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

49.8398, 39.7960, 47.1740

Protanopia

39.3542, 39.9625, 56.0914

Deuteranopia

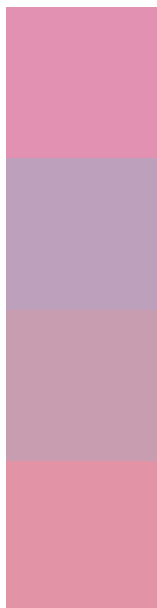
40.7805, 39.8364, 46.0973



Tritanopia

47.8992, 39.6906, 37.9374

Trichromacy



Original Color

49.8398, 39.7960, 47.1740

Protanomaly

42.3869, 39.4638, 52.9602

Deuteranomaly

43.7129, 39.5279, 46.4000

Tritanomaly

48.6807, 39.7894, 41.1908

Monochromacy



Original Color

49.8398, 39.7960, 47.1740

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.8274, 40.6270, 46.1420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8398, 39.7960, 47.1740 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(227, 145, 178)` looks like.

```
.text, #text, p{  
    color:rgb(227, 145, 178)  
}
```

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(227, 145, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 145, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.8398, 39.7960, 47.1740 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(227, 145, 178) }
```


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

```
.border{ border-color:rgb(227, 145, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 145, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 145, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 145, 178);  
box-shadow:4px 4px 4px 4px rgb(227, 145,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8398, 39.7960, 47.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 145, 178) }
```

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

```
.background{ background-color: rgb(227,  
145, 178) }
```

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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