

Converting Colors

XYZ(47.8052, 36.6320, 39.5691)

Have a look what the booklet for
XYZ(47.8052, 36.6320, 39.5691)
contains.

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Color

**XYZ(47.9979, 36.8313,
39.7013)**

Conversions

Conversions Part 1

Format	Color
Hex	E687A4
RGB	230, 135, 164
RGB Percent	90%, 53%, 64%
CMY	0.0980, 0.4706, 0.3569
CMYK	0.00, 0.41, 0.29, 0.10
HSL	342°, 66%, 72%
HSV	342°, 41%, 90%
XYZ	47.9979, 36.8313, 39.7013
YIQ	166.7110, 47.3110, 29.1590

Conversions

Conversions Part 2

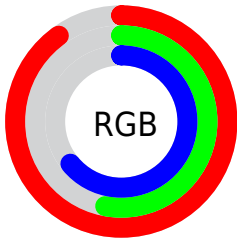
Format	Color
R_{YB}	230, 135, 164
Decimal	15108004
CIE Lab	67.15, 39.76, 0.48
CIE LCh	67, 39.763, 0.692
Yxy	36.8313, 0.3854, 0.2958
Android (android.graphics.Color)	4293298084 (0xFFE687A4)
YUV	166.7110, -1.3365, 55.5045
Hunter-Lab	60.6888, 34.9677, 3.6959

Details

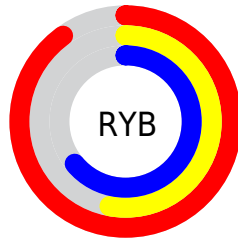
The XYZ color **47.9979, 36.8313, 39.7013** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.8328, 65.9624, 65.4201**, and the grayscale version is **36.5812, 38.4863, 41.9116**.

A 20% lighter version of the original color is **72.4396, 63.2014, 75.3989**, and **23.0311, 16.1270, 17.2282** is the 20% darker color. If you saturate the color by 10%, you get **43.7750, 30.5515, 31.6155**, and if you desaturate by 10%, it is **53.0973, 44.5734, 48.9747**.

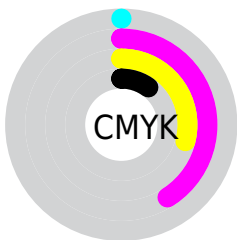
Distribution



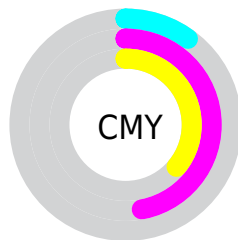
- Red (90%)
- Green (53%)
- Blue (64%)



- Red (90%)
- Yellow (53%)
- Blue (64%)



- Cyan (0%)
- Magenta (41%)
- Yellow (29%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9979, 36.8313, 39.7013 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 47.9979, 36.8313, 39.7013 by changing the saturation by 10% instead.


 47.9979, 36.8313,
39.7013

 47.9979, 36.8313,
39.7013

369.3665,
332.5796, 360.3776


 34.0365, 25.0769,
26.9937


 86.4110, 70.3132,
75.9406

 23.0846, 16.1344,
17.3361


 111.5934, 92.8096,
100.3093

 14.7771, 9.6193,
10.3099


 141.2468,
119.6554, 129.4022

 8.7484, 5.1473,
5.4966

175.7365,
151.2350, 163.6378

 4.6332, 2.3339,
2.4777

215.4280,
187.9328, 203.4345

 2.0662, 0.7916,
0.8283

260.6866,

 0.6708, 0.0000,

230.1332, 249.2111

0.0000

311.8777,
278.2207, 301.3859

■ 0.0000, 0.0000,
0.0000

■ 47.9979, 36.8313,
39.7013

■ 47.9979, 36.8313,
39.7013

■ 43.7750, 30.5515,
31.6155

■ 53.0973, 44.5734,
48.9747

■ 40.3737, 25.6359,
24.6649

■ 59.1176, 53.8571,
59.4806

■ 37.7377, 21.9826,
18.7958

■ 66.1037, 64.7622,
71.2642

■ 35.8015, 19.4729,
13.9490

■ 74.0965, 77.3617,
84.3677

■ 34.4876, 17.9652,
10.0583

■ 83.1347, 91.7238,
98.8311

■ 33.7450, 17.2678,
7.3822

■ 86.4432, 95.5630,
108.4972

Harmonies

Analogous

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



46.1817, 36.8313, 58.7552



47.9979, 36.8313, 39.7013



46.0127, 36.8313, 25.3682

Triad

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



47.9979, 36.8313, 39.7013



29.3903, 36.8313, 17.7082



29.6078, 36.8313, 76.8056

Complementary

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



47.9979, 36.8313, 39.7013



48.8328, 65.9624, 65.4201

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.



25.9132, 36.8313, 59.6604



47.9979, 36.8313, 39.7013



25.7982, 36.8313, 25.8862

Square

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



47.9979, 36.8313, 39.7013



34.8665, 36.8313, 15.1349



24.6011, 36.8313, 40.5074



35.1480, 36.8313, 83.5788

Rectangle

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



47.9979, 36.8313, 39.7013



42.9190, 36.8313, 19.4284



24.6011, 36.8313, 40.5074



28.1326, 36.8313, 71.8597

Sweetspot

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



47.9989, 36.8331, 39.7020



82.8172, 80.7121, 88.8602



46.7455, 35.3111, 79.2149



17.4655, 16.8671, 18.5845



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.



47.9989, 36.8331, 39.7020



55.8153, 39.3367, 40.9278



48.3036, 41.1661, 28.3240



14.5572, 14.4401, 15.8686



19.1523, 9.7951, 4.4310



1.4556, 0.7399, 0.5395

Inverse Universe

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



47.9989, 36.8331, 39.7020



55.8153, 39.3367, 40.9278



47.9655, 58.2444, 83.5772



14.5572, 14.4401, 15.8686



19.1523, 9.7951, 4.4310



1.4556, 0.7399, 0.5395

Previews

White Background



This preview shows how the XYZ color 47.9979, 36.8313, 39.7013 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 47.9979, 36.8313, 39.7013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

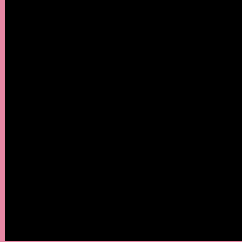
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9979, 36.8313, 39.7013

Background



This preview shows how black text looks on a background with the XYZ color 47.9979, 36.8313, 39.7013.



This preview shows how white text looks on a background with the XYZ color 47.9979, 36.8313,

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

47.9979, 36.8313, 39.7013

Protanopia

36.3380, 37.2120, 48.9835

Deuteranopia

37.6281, 36.8155, 38.3806



Tritanopia

46.4287, 36.8091, 32.6748

Trichromacy



Original Color

47.9979, 36.8313, 39.7013

Protanomaly

39.6226, 36.4424, 45.5032

Deuteranomaly

40.8926, 36.5280, 38.6136

Tritanomaly

47.0915, 36.8824, 35.2089

Monochromacy



Original Color

47.9979, 36.8313, 39.7013

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.8395, 37.1430, 41.1459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9979, 36.8313, 39.7013 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(230, 135, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 135, 164)  
}
```

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(230, 135, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 135, 164) }
```

Border

The CSS property to change the border of an element to XYZ 47.9979, 36.8313, 39.7013 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(230, 135, 164) }
```


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

```
.border{ border-color:rgb(230, 135, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 135, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 135, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 135, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 135,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9979, 36.8313, 39.7013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 135, 164) }
```

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

```
.background{ background-color: rgb(230,  
135, 164) }
```

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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