

Converting Colors

XYZ(50.8791, 36.9089, 47.0416)

Have a look what the booklet for
XYZ(50.8791, 36.9089, 47.0416)
contains.

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Color

**XYZ(50.9120, 36.9597,
47.0984)**

Conversions

Conversions Part 1

Format	Color
Hex	ED81B3
RGB	237, 129, 179
RGB Percent	93%, 51%, 70%
CMY	0.0706, 0.4941, 0.2980
CMYK	0.00, 0.46, 0.24, 0.07
HSL	332°, 75%, 72%
HSV	332°, 46%, 93%
XYZ	50.9120, 36.9597, 47.0984
YIQ	166.9920, 48.3180, 38.4460

Conversions

Conversions Part 2

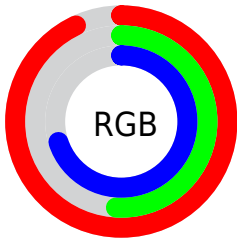
Format	Color
R _Y B	237, 129, 179
Decimal	15565235
CIE Lab	67.25, 47.24, -7.73
CIE LCh	67, 47.872, 350.711
Yxy	36.9597, 0.3772, 0.2738
Android (android.graphics.Color)	4293755315 (0xFFED81B3)
YUV	166.9920, 5.9199, 61.3970
Hunter-Lab	60.7945, 43.0935, -3.3767

Details

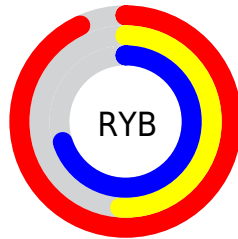
The XYZ color **50.9120, 36.9597, 47.0984** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.3088, 68.8244, 57.7554**, and the grayscale version is **36.6834, 38.5938, 42.0286**.

A 20% lighter version of the original color is **73.3759, 61.5391, 86.6082**, and **24.9407, 16.2589, 21.5624** is the 20% darker color. If you saturate the color by 10%, you get **46.9160, 30.9334, 39.7055**, and if you desaturate by 10%, it is **55.7529, 44.4848, 55.3600**.

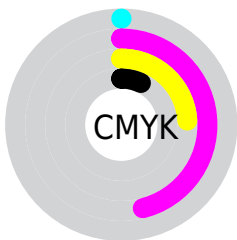
Distribution



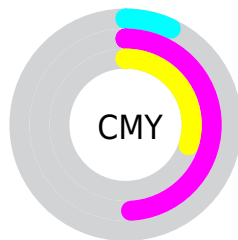
- Red (93%)
- Green (51%)
- Blue (70%)



- Red (93%)
- Yellow (51%)
- Blue (70%)



- Cyan (0%)
- Magenta (46%)
- Yellow (24%)
- Black (7%)





- Cyan (7%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9120, 36.9597, 47.0984 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 50.9120, 36.9597, 47.0984 by changing the saturation by 10% instead.


 50.9120, 36.9597,
47.0984

 50.9120, 36.9597,
47.0984


380.6151,
333.1360, 391.6123


 36.3593, 25.1763,
32.7585


 90.7084, 70.5108,
87.2120

 24.8832, 16.2084,
21.6719

 116.6829, 93.0473,
113.8228

 16.1184, 9.6718,
13.4200


 147.1954,
119.9369, 145.3611

 9.6993, 5.1819,
7.5843

182.6112,
151.5641, 182.2453

 5.2608, 2.3544,
3.7462

223.2958,
188.3132, 224.8939

 2.4374, 0.8023,
1.4872

269.6143,

 0.8638, 0.0000,

230.5686, 273.7256

0.2083

321.9323,
278.7147, 329.1589

■ 0.0000, 0.0000,
0.0000

■ 50.9120, 36.9597,
47.0984

■ 50.9120, 36.9597,
47.0984

■ 46.9160, 30.9334,
39.7055

■ 55.7529, 44.4848,
55.3600

■ 43.7077, 26.2979,
33.1454

■ 61.4844, 53.5965,
64.5195

■ 41.2275, 22.9389,
27.3821

■ 68.1528, 64.3819,
74.6075

■ 39.4052, 20.7213,
22.3749

■ 75.7998, 76.9203,
85.6520

■ 38.1545, 19.4789,
18.0769

■ 84.4649, 91.2859,
97.6797

■ 37.7243, 19.1242,
16.3740

■ 88.7352, 96.7446,
108.6045

Harmonies

Analogous

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



47.1735, 36.9597, 71.5055



50.9120, 36.9597, 47.0984



49.9900, 36.9597, 27.6157

Triad

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



50.9120, 36.9597, 47.0984



30.3875, 36.9597, 13.1067



26.9568, 36.9597, 80.1458

Complementary

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



50.9120, 36.9597, 47.0984



48.3088, 68.8244, 57.7554

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.



23.5505, 36.9597, 56.2297



50.9120, 36.9597, 47.0984



25.3320, 36.9597, 19.7508

Square

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



50.9120, 36.9597, 47.0984



37.4477, 36.9597, 12.1490



23.0001, 36.9597, 34.0870



32.9082, 36.9597, 94.4979

Rectangle

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



50.9120, 36.9597, 47.0984



46.9009, 36.9597, 19.2780



23.0001, 36.9597, 34.0870



25.5129, 36.9597, 72.6352

Sweetspot

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



50.9131, 36.9615, 47.0991



81.7650, 78.1258, 89.9953



43.5338, 32.3315, 84.0672



17.1073, 16.0802, 18.6822



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.



50.9131, 36.9615, 47.0991



55.5476, 36.7467, 47.1728



47.2218, 36.2572, 25.2806



15.3556, 15.1701, 17.1578



20.6608, 10.4670, 9.2809



1.6705, 0.8412, 0.9822

Inverse Universe

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



50.9131, 36.9615, 47.0991



55.5476, 36.7467, 47.1728



53.5928, 69.2870, 90.6702



15.3556, 15.1701, 17.1578



20.6608, 10.4670, 9.2809



1.6705, 0.8412, 0.9822

Previews

White Background



This preview shows how the XYZ color 50.9120, 36.9597, 47.0984 looks on a white background.

Color Contrast Check

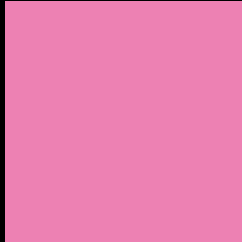
Large Text (above 18pt) WCAG AA × Fail

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 50.9120, 36.9597, 47.0984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

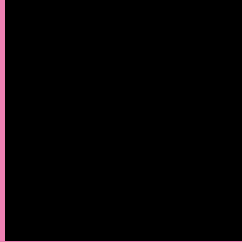
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9120, 36.9597, 47.0984

Background



This preview shows how black text looks on a background with the XYZ color 50.9120, 36.9597, 47.0984.



This preview shows how white text looks on a background with the XYZ color 50.9120, 36.9597,

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

50.9120, 36.9597, 47.0984

Protanopia

37.1574, 37.3800, 60.5150

Deuteranopia

37.9426, 37.0824, 45.2022



Tritanopia

47.7065, 36.8647, 31.3893

Trichromacy



Original Color

50.9120, 36.9597, 47.0984



Protanomaly

40.6998, 36.2978, 55.3131



Deuteranomaly

41.7151, 36.3202, 45.8862



Tritanomaly

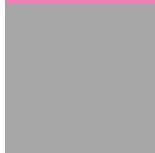
48.7343, 36.8715, 36.4466

Monochromacy



Original Color

50.9120, 36.9597, 47.0984



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.4801, 36.9292, 43.5226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9120, 36.9597, 47.0984 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(237, 129, 179)` looks like.

```
.text, #text, p{  
    color:rgb(237, 129, 179)  
}
```

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(237, 129, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 129, 179) }
```

Border

The CSS property to change the border of an element to XYZ 50.9120, 36.9597, 47.0984 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(237, 129, 179) }
```


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

```
.border{ border-color:rgb(237, 129, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 129, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 129, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 129, 179);  
box-shadow:4px 4px 4px 4px rgb(237, 129,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9120, 36.9597, 47.0984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 129, 179) }
```

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

```
.background{ background-color: rgb(237,  
129, 179) }
```

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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