

Converting Colors

XYZ(50.8358, 36.7391, 47.0371)

Have a look what the booklet for
XYZ(50.8358, 36.7391, 47.0371)
contains.

XYZ(50.7809, 36.6975, 47.0547)	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(50.7809, 36.6975,
47.0547)**

Conversions

Conversions Part 1

Format	Color
Hex	ED80B3
RGB	237, 128, 179
RGB Percent	93%, 50%, 70%
CMY	0.0706, 0.4980, 0.2980
CMYK	0.00, 0.46, 0.24, 0.07
HSL	332°, 75%, 72%
HSV	332°, 46%, 93%
XYZ	50.7809, 36.6975, 47.0547
YIQ	166.4050, 48.5930, 38.9690

Conversions

Conversions Part 2

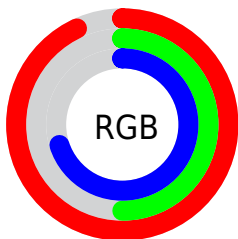
Format	Color
R _Y B	237, 128, 179
Decimal	15564979
CIE Lab	67.05, 47.75, -8.02
CIE LCh	67, 48.415, 350.465
Yxy	36.6975, 0.3775, 0.2728
Android (android.graphics.Color)	4293755059 (0xFFED80B3)
YUV	166.4050, 6.2093, 61.9118
Hunter-Lab	60.5785, 43.6183, -3.6490

Details

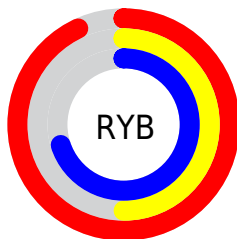
The XYZ color **50.7809, 36.6975, 47.0547** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.0509, 68.7038, 57.1863**, and the grayscale version is **36.3969, 38.2924, 41.7004**.

A 20% lighter version of the original color is **73.1689, 61.1251, 86.5392**, and **24.8724, 16.1222, 21.5396** is the 20% darker color. If you saturate the color by 10%, you get **46.8251, 30.7345, 39.7282**, and if you desaturate by 10%, it is **55.5774, 44.1545, 55.2377**.

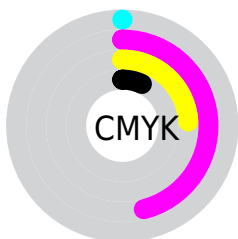
Distribution



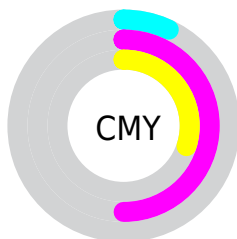
- Red (93%)
- Green (50%)
- Blue (70%)



- Red (93%)
- Yellow (50%)
- Blue (70%)



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





- Cyan (7%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7809, 36.6975, 47.0547 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 50.7809, 36.6975, 47.0547 by changing the saturation by 10% instead.


 50.7809, 36.6975,
47.0547


 50.7809, 36.6975,
47.0547


380.1136,
331.9990, 391.4329


 36.2546, 24.9734,
32.7242


 90.5157, 70.1073,
87.1461

 24.8019, 16.0572,
21.6459


 116.4550, 92.5617,
113.7441

 16.0575, 9.5646,
13.4011


 146.9293,
119.3617, 145.2684

 9.6559, 5.1113,
7.5714

182.3040,
150.8917, 182.1375

 5.2319, 2.3127,
3.7381

222.9444,
187.5360, 224.7700

 2.4201, 0.7804,
1.4828

269.2159,

 0.8552, 0.0000,

229.6791, 273.5844

0.2051

321.4839,
277.7053, 328.9991

■ 0.0000, 0.0000,
0.0000

■ 50.7809, 36.6975,
47.0547

■ 50.7809, 36.6975,
47.0547

■ 46.8251, 30.7345,
39.7282

■ 55.5774, 44.1545,
55.2377

■ 43.6527, 26.1568,
33.2228

■ 61.2604, 53.1934,
64.3063

■ 41.2038, 22.8496,
27.5028

■ 67.8761, 63.9016,
74.2904

■ 39.4077, 20.6769,
22.5279

■ 75.4666, 76.3587,
85.2178

■ 38.1774, 19.4706,
18.2515

■ 84.0711, 90.6390,
97.1149

■ 37.7881, 19.1498,
16.7101

■ 88.6822, 96.7234,
108.3254

■ 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.



46.9726, 36.6975, 71.7090



50.7809, 36.6975, 47.0547



49.8900, 36.6975, 27.3957

Triad

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



50.7809, 36.6975, 47.0547



30.1621, 36.6975, 12.7432



26.6245, 36.6975, 80.0760

Complementary

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



50.7809, 36.6975, 47.0547



48.0509, 68.7038, 57.1863

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.



23.2299, 36.6975, 55.8694



50.7809, 36.6975, 47.0547



25.0641, 36.6975, 19.3117

Square

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



50.7809, 36.6975, 47.0547



37.2772, 36.6975, 11.8331



22.7019, 36.6975, 33.6121



32.5876, 36.6975, 94.7380

Rectangle

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



50.7809, 36.6975, 47.0547



46.7929, 36.6975, 19.0033



22.7019, 36.6975, 33.6121



25.1826, 36.6975, 72.4551

Sweetspot

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



50.7820, 36.6993, 47.0554



81.7906, 78.1360, 90.1299



42.8500, 31.7843, 83.9977



17.1135, 16.0827, 18.7149



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.



50.7820, 36.6993, 47.0554



55.6180, 36.7748, 47.5437



46.7810, 35.4814, 24.8072



15.3588, 15.1714, 17.1746



20.6959, 10.4810, 9.4657



1.6733, 0.8423, 0.9972

Inverse Universe

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



50.7820, 36.6993, 47.0554



55.6180, 36.7748, 47.5437



53.9502, 70.2262, 90.8327



15.3588, 15.1714, 17.1746



20.6959, 10.4810, 9.4657



1.6733, 0.8423, 0.9972

Previews

White Background



This preview shows how the XYZ color 50.7809, 36.6975, 47.0547 looks on a white background.

Color Contrast Check

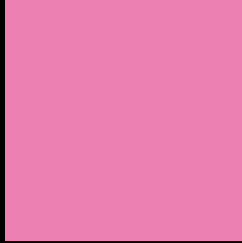
Large Text (above 18pt) WCAG AA × Fail

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 50.7809, 36.6975, 47.0547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

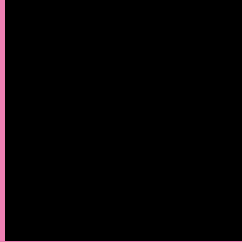
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7809, 36.6975, 47.0547

Background



This preview shows how black text looks on a background with the XYZ color 50.7809, 36.6975, 47.0547.



This preview shows how white text looks on a background with the XYZ color 50.7809, 36.6975,

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

50.7809, 36.6975, 47.0547

Protanopia

36.9805, 37.0263, 60.4560

Deuteranopia

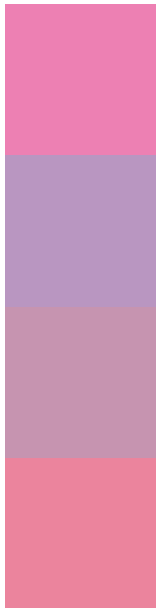
37.7173, 36.9662, 45.1917



Tritanopia

47.7065, 36.8647, 31.3893

Trichromacy



Original Color

50.7809, 36.6975, 47.0547

Protanomaly

40.5396, 35.9772, 55.2597

Deuteranomaly

41.7151, 36.3202, 45.8862

Tritanomaly

48.5980, 36.5990, 36.4012

Monochromacy



Original Color

50.7809, 36.6975, 47.0547

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

40.3171, 36.6032, 43.4683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7809, 36.6975, 47.0547 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, 128, 179)` looks like.

```
.text, #text, p{  
    color:rgb(237, 128, 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, 128, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 128, 179) }
```

Border

The CSS property to change the border of an element to XYZ 50.7809, 36.6975, 47.0547 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, 128, 179) }
```


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

```
.border{ border-color:rgb(237, 128, 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, 128, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 128, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 128, 179);  
box-shadow:4px 4px 4px 4px rgb(237, 128,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7809, 36.6975, 47.0547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 128, 179) }
```

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

```
.background{ background-color: rgb(237,  
128, 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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