

Converting Colors

XYZ(45.8697, 36.9418, 47.0961)

Have a look what the booklet for
XYZ(45.8697, 36.9418, 47.0961)
contains.

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Color

**XYZ(45.9805, 36.9034,
47.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	D88DB3
RGB	216, 141, 179
RGB Percent	85%, 55%, 70%
CMY	0.1529, 0.4470, 0.2980
CMYK	0.00, 0.35, 0.17, 0.15
HSL	330°, 49%, 70%
HSV	330°, 35%, 85%
XYZ	45.9805, 36.9034, 47.3475
YIQ	167.7570, 32.5020, 27.7180

Conversions

Conversions Part 2

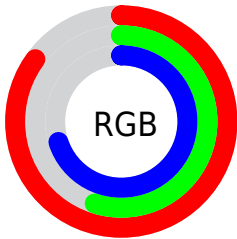
Format	Color
R _Y B	216, 141, 179
Decimal	14192051
CIE Lab	67.20, 33.87, -8.07
CIE LCh	67, 34.815, 346.604
Yxy	36.9034, 0.3531, 0.2834
Android (android.graphics.Color)	4292382131 (0xFFD88DB3)
YUV	167.7570, 5.5428, 42.3091
Hunter-Lab	60.7482, 28.7980, -3.6873

Details

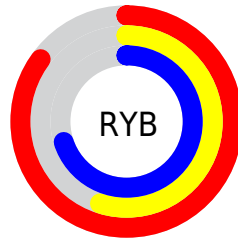
The XYZ color **45.9805, 36.9034, 47.3475** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5779, 57.9899, 51.0186**, and the grayscale version is **37.0639, 38.9941, 42.4645**.

A 20% lighter version of the original color is **75.9753, 66.7380, 87.4747**, and **21.8355, 16.1247, 21.7002** is the 20% darker color. If you saturate the color by 10%, you get **42.0643, 30.7294, 40.9285**, and if you desaturate by 10%, it is **50.6032, 44.3563, 54.4138**.

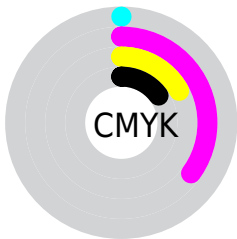
Distribution



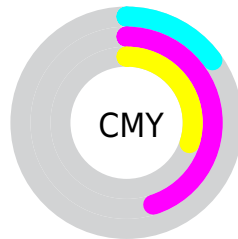
- Red (85%)
- Green (55%)
- Blue (70%)



- Red (85%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (35%)
- Yellow (17%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9805, 36.9034, 47.3475 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 45.9805, 36.9034, 47.3475 by changing the saturation by 10% instead.


 45.9805, 36.9034,
47.3475


 45.9805, 36.9034,
47.3475


361.4475,
332.8921, 392.6338


 32.4350, 25.1327,
32.9541


 83.4179, 70.4242,
87.5875

 21.8511, 16.1760,
21.8205


 108.0404, 92.9431,
114.2712

 13.8635, 9.6487,
13.5280


 137.0860,
119.8135, 145.8888

 8.1069, 5.1667,
7.6581

170.9201,
151.4198, 182.8588

 4.2158, 2.3454,
3.7924

209.9079,
188.1464, 225.5998

 1.8249, 0.7976,
1.5121

254.4148,

 0.5326, 0.0000,

230.3778, 274.5302

0.2269

304.8062,
278.4982, 330.0687

■ 0.0000, 0.0000,
0.0000

■ 45.9805, 36.9034,
47.3475

■ 45.9805, 36.9034,
47.3475

■ 42.0643, 30.7294,
40.9285

■ 50.6032, 44.3563,
54.4138

■ 38.8133, 25.7559,
35.1327

■ 55.9644, 53.1503,
62.1457

■ 36.1866, 21.9038,
29.9372

■ 62.0979, 63.3498,
70.5637

■ 34.1372, 19.0823,
25.3163

■ 69.0342, 75.0134,
79.6863

■ 32.6108, 17.1861,
21.2418

■ 76.8025, 88.1964,
89.5314

■ 31.5415, 16.0870,
17.6808

■ 80.2478, 92.5865,
98.3886

■ 31.1029, 15.7125,
15.9844

■ 81.9041, 93.2490,
107.1103

■ 82.1291, 93.3390,
108.2953

Harmonies

Analogous

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



43.0338, 36.9034, 63.8181



45.9805, 36.9034, 47.3475



45.8034, 36.9034, 32.3882

Triad

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



45.9805, 36.9034, 47.3475



32.2368, 36.9034, 18.1612



28.5152, 36.9034, 65.4076

Complementary

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



45.9805, 36.9034, 47.3475



43.5779, 57.9899, 51.0186

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.



26.1690, 36.9034, 49.1344



45.9805, 36.9034, 47.3475



28.1644, 36.9034, 23.2474

Square

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



45.9805, 36.9034, 47.3475



37.4958, 36.9034, 17.9127



26.0474, 36.9034, 33.7777



32.7618, 36.9034, 75.8878

Rectangle

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



45.9805, 36.9034, 47.3475



43.9315, 36.9034, 25.1400



26.0474, 36.9034, 33.7777



27.4977, 36.9034, 60.2717

Sweetspot

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



45.9816, 36.9051, 47.3483



85.4879, 84.0118, 96.0452



40.1096, 33.3861, 69.2964



18.0305, 17.5379, 20.1887



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.



45.9816, 36.9051, 47.3483



62.4940, 46.6804, 61.6936



42.7465, 35.6111, 30.3125



12.6831, 12.5248, 14.2717



18.4643, 9.3220, 9.7489



1.1555, 0.5790, 0.8080

Inverse Universe

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



45.9816, 36.9051, 47.3483



62.4940, 46.6804, 61.6936



47.7752, 59.6688, 73.1214



12.6831, 12.5248, 14.2717



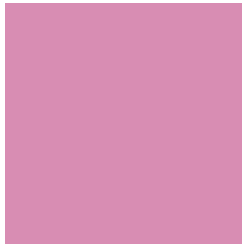
18.4643, 9.3220, 9.7489



1.1555, 0.5790, 0.8080

Previews

White Background



This preview shows how the XYZ color 45.9805, 36.9034, 47.3475 looks on a white background.

Color Contrast Check

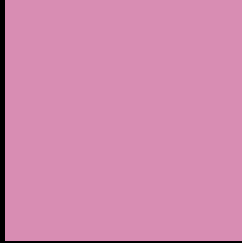
Large Text (above 18pt) WCAG AA × Fail

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 45.9805, 36.9034, 47.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

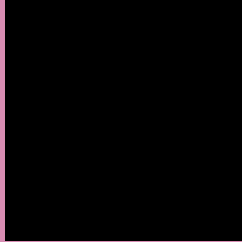
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9805, 36.9034, 47.3475

Background



This preview shows how black text looks on a background with the XYZ color 45.9805, 36.9034, 47.3475.



This preview shows how white text looks on a background with the XYZ color 45.9805, 36.9034,

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

45.9805, 36.9034, 47.3475

Protanopia

36.8234, 37.3137, 55.7135

Deuteranopia

37.9138, 37.0448, 46.2264



Tritanopia

43.5667, 36.7972, 36.2588

Trichromacy



Original Color

45.9805, 36.9034, 47.3475

Protanomaly

39.3889, 36.6572, 52.5765

Deuteranomaly

40.3993, 36.5779, 46.5260

Tritanomaly

44.4057, 36.9230, 39.9084

Monochromacy



Original Color

45.9805, 36.9034, 47.3475

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.6808, 37.7466, 44.2241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9805, 36.9034, 47.3475 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(216, 141, 179)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 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(216, 141, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.9805, 36.9034, 47.3475 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(216, 141, 179) }
```


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

```
.border{ border-color:rgb(216, 141, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 141, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 141, 179); box-shadow:4px 4px 4px 4px rgb(216, 141, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9805, 36.9034, 47.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 179) }
```

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

```
.background{ background-color: rgb(216,  
141, 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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