

Converting Colors

XYZ(46.4978, 36.3811, 46.9547)

Have a look what the booklet for
XYZ(46.4978, 36.3811, 46.9547)
contains.

XYZ(46.5975, 36.3616, 47.2104)	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(46.5975, 36.3616,
47.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	DC89B3
RGB	220, 137, 179
RGB Percent	86%, 54%, 70%
CMY	0.1373, 0.4627, 0.2980
CMYK	0.00, 0.38, 0.19, 0.14
HSL	330°, 54%, 70%
HSV	330°, 38%, 86%
XYZ	46.5975, 36.3616, 47.2104
YIQ	166.6050, 35.9860, 30.6580

Conversions

Conversions Part 2

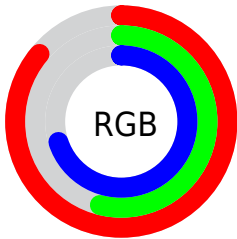
Format	Color
R_{YB}	220, 137, 179
Decimal	14453171
CIE _{Lab}	66.80, 37.38, -8.63
CIE _{LCh}	67, 38.362, 347.007
Yxy	36.3616, 0.3580, 0.2793
Android (android.graphics.Color)	4292643251 (0xFFDC89B3)
YUV	166.6050, 6.1107, 46.8274
Hunter-Lab	60.3006, 32.4105, -4.2088

Details

The XYZ color **46.5975, 36.3616, 47.2104** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.9471, 59.7200, 51.3330**, and the grayscale version is **36.4985, 38.3993, 41.8168**.

A 20% lighter version of the original color is **75.0850, 64.9574, 87.1779**, and **22.1187, 15.7899, 21.6206** is the 20% darker color. If you saturate the color by 10%, you get **42.7270, 30.3105, 40.7093**, and if you desaturate by 10%, it is **51.1944, 43.7259, 54.3818**.

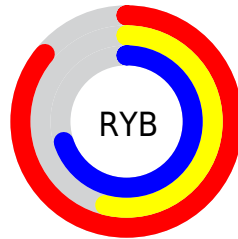
Distribution



Red (86%)

Green (54%)

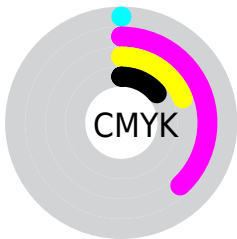
Blue (70%)



Red (86%)

Yellow (54%)

Blue (70%)

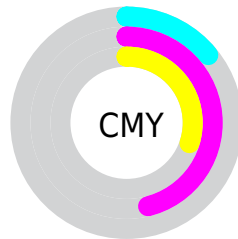


Cyan (0%)

Magenta (38%)

Yellow (19%)

Black (14%)



Cyan (14%)


Magenta (46%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5975, 36.3616, 47.2104 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 46.5975, 36.3616, 47.2104 by changing the saturation by 10% instead.


 46.5975, 36.3616,
47.2104

 46.5975, 36.3616,
47.2104


363.8814,
330.5383, 392.0718

 32.9242, 24.7136,
32.8465


 84.3349, 69.5898,
87.3809

 22.2273, 15.8638,
21.7387


 109.1297, 91.9388,
114.0245

 14.1416, 9.4278,
13.4686


 138.3624,
118.6236, 145.5984

 8.3016, 5.0213,
7.6175

172.3983,
150.0286, 182.5212

 4.3419, 2.2598,
3.7669

211.6028,
186.5382, 225.2114

 1.8973, 0.7523,
1.4984

256.3413,

 0.5753, 0.0000,

228.5367, 274.0876

0.2167

306.9790,
276.4086, 329.5682

■ 0.0000, 0.0000,
0.0000

■ 46.5975, 36.3616,
47.2104

■ 46.5975, 36.3616,
47.2104

■ 42.7270, 30.3105,
40.7093

■ 51.1944, 43.7259,
54.3818

■ 39.5386, 25.4887,
34.8529

■ 56.5520, 52.4704,
62.2435

■ 36.9882, 21.8106,
29.6166

■ 62.7065, 62.6638,
70.8168

■ 35.0244, 19.1770,
24.9729

■ 69.6904, 74.3685,
80.1216

■ 33.5874, 17.4718,
20.8908

■ 77.5346, 87.6434,
90.1769

■ 32.5952, 16.5346,
17.3314

■ 81.6363, 93.2801,
99.4567

■ 32.4023, 16.3705,
16.5836

■ 83.3253, 93.9557,
108.3513

Harmonies

Analogous

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



43.3702, 36.3616, 65.5896



46.5975, 36.3616, 47.2104



46.3514, 36.3616, 30.9704

Triad

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



46.5975, 36.3616, 47.2104



31.4023, 36.3616, 16.2406



27.5041, 36.3616, 67.8276

Complementary

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



46.5975, 36.3616, 47.2104



43.9471, 59.7200, 51.3330

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.



24.9609, 36.3616, 49.6803



46.5975, 36.3616, 47.2104



27.0329, 36.3616, 21.5709

Square

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



46.5975, 36.3616, 47.2104



37.1275, 36.3616, 15.9233



24.7986, 36.3616, 32.8400



32.1149, 36.3616, 79.5478

Rectangle

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



46.5975, 36.3616, 47.2104



44.2465, 36.3616, 23.3195



24.7986, 36.3616, 32.8400



26.4027, 36.3616, 62.0789

Sweetspot

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



46.5986, 36.3633, 47.2111



84.5940, 82.5303, 94.8027



40.0235, 32.4214, 71.8590



17.8519, 17.2425, 19.9384



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.



46.5986, 36.3633, 47.2111



60.8839, 44.1810, 58.9347



43.0774, 34.9549, 28.6691



13.3296, 13.1609, 14.9967



19.0729, 9.6302, 10.0298



1.2791, 0.6413, 0.8789

Inverse Universe

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



46.5986, 36.3633, 47.2111



60.8839, 44.1810, 58.9347



48.6466, 61.5998, 76.0799



13.3296, 13.1609, 14.9967



19.0729, 9.6302, 10.0298



1.2791, 0.6413, 0.8789

Previews

White Background



This preview shows how the XYZ color 46.5975, 36.3616, 47.2104 looks on a white background.

Color Contrast Check

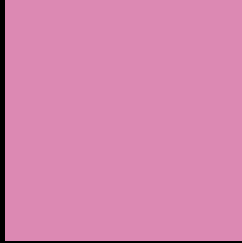
Large Text (above 18pt) WCAG AA × Fail

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 46.5975, 36.3616, 47.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

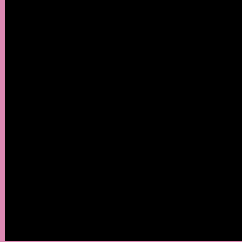
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5975, 36.3616, 47.2104

Background



This preview shows how black text looks on a background with the XYZ color 46.5975, 36.3616, 47.2104.



This preview shows how white text looks on a background with the XYZ color 46.5975, 36.3616,

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

46.5975, 36.3616, 47.2104

Protanopia

36.3055, 36.4978, 56.7610

Deuteranopia

37.1983, 36.4331, 45.6292



Tritanopia

44.0380, 36.3976, 34.8414

Trichromacy



Original Color

46.5975, 36.3616, 47.2104

Protanomaly

39.0039, 35.7143, 52.9819

Deuteranomaly

39.9780, 35.8944, 45.8955

Tritanomaly

44.8131, 36.2702, 38.8214

Monochromacy



Original Color

46.5975, 36.3616, 47.2104

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.4889, 37.1563, 43.6187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5975, 36.3616, 47.2104 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(220, 137, 179)` looks like.

```
.text, #text, p{  
    color:rgb(220, 137, 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(220, 137, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 137, 179) }
```

Border

The CSS property to change the border of an element to XYZ 46.5975, 36.3616, 47.2104 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(220, 137, 179) }
```


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

```
.border{ border-color:rgb(220, 137, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 137, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 137, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 137, 179);  
box-shadow:4px 4px 4px 4px rgb(220, 137,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5975, 36.3616, 47.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 137, 179) }
```

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

```
.background{ background-color: rgb(220,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor