

Converting Colors

XYZ(46.0794, 36.6457, 46.6403)

Have a look what the booklet for
XYZ(46.0794, 36.6457, 46.6403)
contains.

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Color

**XYZ(46.0292, 36.7222,
46.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	D98CB2
RGB	217, 140, 178
RGB Percent	85%, 55%, 70%
CMY	0.1490, 0.4510, 0.3020
CMYK	0.00, 0.35, 0.18, 0.15
HSL	330°, 50%, 70%
HSV	330°, 35%, 85%
XYZ	46.0292, 36.7222, 46.7816
YIQ	167.3550, 33.6940, 28.1420

Conversions

Conversions Part 2

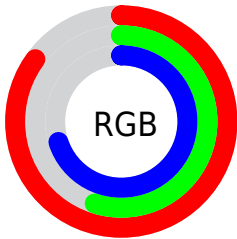
Format	Color
R_{YB}	217, 140, 178
Decimal	14257330
CIE _{Lab}	67.07, 34.59, -7.70
CIE _{LCh}	67, 35.440, 347.459
Yxy	36.7222, 0.3553, 0.2835
Android (android.graphics.Color)	4292447410 (0xFFD98CB2)
YUV	167.3550, 5.2480, 43.5387
Hunter-Lab	60.5988, 29.5357, -3.3520

Details

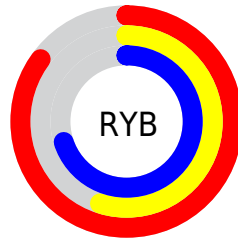
The XYZ color **46.0292, 36.7222, 46.7816** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.7663, 58.4568, 51.6270**, and the grayscale version is **36.8683, 38.7883, 42.2405**.

A 20% lighter version of the original color is **75.6064, 66.2307, 86.6408**, and **21.8893, 16.0372, 21.3438** is the 20% darker color. If you saturate the color by 10%, you get **42.1058, 30.5711, 40.2454**, and if you desaturate by 10%, it is **50.6684, 44.1626, 53.9935**.

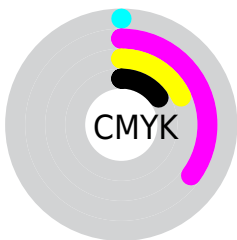
Distribution



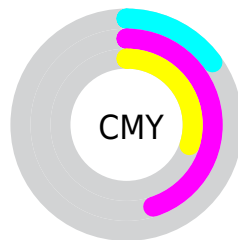
- Red (85%)
- Green (55%)
- Blue (70%)



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



- Cyan (0%)
- Magenta (35%)
- Yellow (18%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0292, 36.7222, 46.7816 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 46.0292, 36.7222, 46.7816 by changing the saturation by 10% instead.

46.0292, 36.7222,
46.7816

46.0292, 36.7222,
46.7816

361.6400,
332.1062, 390.3106

32.4736, 24.9925,
32.5099

83.4903, 70.1453,
86.7341

21.8808, 16.0714,
21.4832

108.1265, 92.6075,
113.2520

13.8854, 9.5747,
13.2830

137.1869,
119.4160, 144.6890

8.1222, 5.1179,
7.4907

171.0369,
150.9551, 181.4638

4.2257, 2.3166,
3.6878

210.0419,
187.6093, 223.9948

1.8306, 0.7825,
1.4557

254.5671,

0.5360, 0.0000,

229.7630, 272.7006

0.1846

304.9781,
277.8005, 327.9996

■ 0.0000, 0.0000,
0.0000

■ 46.0292, 36.7222,
46.7816

■ 46.0292, 36.7222,
46.7816

■ 42.1058, 30.5711,
40.2454

■ 50.6684, 44.1626,
53.9935

■ 38.8560, 25.6293,
34.3595

■ 56.0561, 52.9556,
61.9007

■ 36.2380, 21.8162,
29.0998


■ 62.2268, 63.1668,
70.5246


■ 34.2034, 19.0389,
24.4392


■ 69.2117, 74.8558,
79.8848


■ 32.6966, 17.1895,
20.3478


■ 77.0405, 88.0787,
90.0001

 31.6494, 16.1357,
16.7908

 80.6970, 92.8004,
99.2072

 31.2738, 15.8151,
15.3378

 82.4160, 93.4880,
108.2596

 82.4254, 93.4918,
108.3092

Harmonies

Analogous

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



43.1101, 36.7222, 63.5974



46.0292, 36.7222, 46.7816



45.7529, 36.7222, 31.7235

Triad

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



46.0292, 36.7222, 46.7816



31.8852, 36.7222, 17.8273



28.3545, 36.7222, 66.0837

Complementary

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



46.0292, 36.7222, 46.7816



43.7663, 58.4568, 51.6270

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.



25.9208, 36.7222, 49.5673



46.0292, 36.7222, 46.7816



27.8104, 36.7222, 23.0861

Square

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



46.0292, 36.7222, 46.7816



37.2024, 36.7222, 17.4453



25.7325, 36.7222, 33.8794



32.7010, 36.7222, 76.5203

Rectangle

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



46.0292, 36.7222, 46.7816



43.7935, 36.7222, 24.5121



25.7325, 36.7222, 33.8794



27.3059, 36.7222, 60.8901

Sweetspot

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



46.0303, 36.7239, 46.7823



84.5416, 82.5093, 94.5264



40.3790, 33.2921, 69.9438



17.8394, 17.2375, 19.8726



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.



46.0303, 36.7239, 46.7823



61.7813, 45.7629, 59.8902



42.7283, 35.4031, 29.3945



13.3226, 13.1581, 14.9599



18.9846, 9.5949, 9.5648



1.2734, 0.6390, 0.8486

Inverse Universe

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



46.0303, 36.7239, 46.7823



61.7813, 45.7629, 59.8902



48.1536, 60.2117, 74.7301



13.3226, 13.1581, 14.9599



18.9846, 9.5949, 9.5648



1.2734, 0.6390, 0.8486

Previews

White Background



This preview shows how the XYZ color 46.0292, 36.7222, 46.7816 looks on a white background.

Color Contrast Check

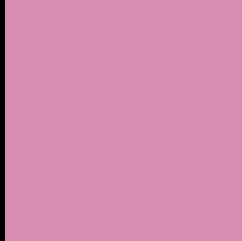
Large Text (above 18pt) WCAG AA × Fail

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 46.0292, 36.7222, 46.7816 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 46.0292, 36.7222, 46.7816

Background



This preview shows how black text looks on a background with the XYZ color 46.0292, 36.7222, 46.7816.



This preview shows how white text looks on a background with the XYZ color 46.0292, 36.7222,

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

46.0292, 36.7222, 46.7816

Protanopia

36.5353, 36.9155, 55.0690

Deuteranopia

37.5916, 36.8901, 45.6967



Tritanopia

43.6212, 36.6092, 35.7775

Trichromacy



Original Color

46.0292, 36.7222, 46.7816

Protanomaly

39.1156, 36.2828, 51.9554

Deuteranomaly

40.2999, 36.5382, 46.0028

Tritanomaly

44.4577, 36.7363, 39.3980

Monochromacy



Original Color

46.0292, 36.7222, 46.7816

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.4152, 37.3685, 43.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0292, 36.7222, 46.7816 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(217, 140, 178)` looks like.

```
.text, #text, p{  
    color:rgb(217, 140, 178)  
}
```

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(217, 140, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 140, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.0292, 36.7222, 46.7816 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(217, 140, 178) }
```


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

```
.border{ border-color:rgb(217, 140, 178) }
```

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

Here you see how a box with a 4 pixel rgb(217, 140, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 140, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 140, 178);  
box-shadow:4px 4px 4px 4px rgb(217, 140,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0292, 36.7222, 46.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 140, 178) }
```

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

```
.background{ background-color: rgb(217,  
140, 178) }
```

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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