

Converting Colors

XYZ(46.6409, 35.1536, 52.2426)

Have a look what the booklet for
XYZ(46.6409, 35.1536, 52.2426)
contains.

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Color

**XYZ(46.6500, 35.2367,
52.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	DB84BD
RGB	219, 132, 189
RGB Percent	86%, 52%, 74%
CMY	0.1412, 0.4823, 0.2588
CMYK	0.00, 0.40, 0.14, 0.14
HSL	321°, 55%, 69%
HSV	321°, 40%, 86%
XYZ	46.6500, 35.2367, 52.4868
YIQ	164.5110, 33.5550, 36.1710

Conversions

Conversions Part 2

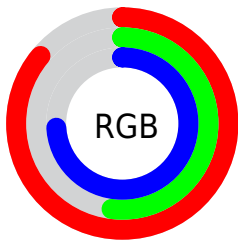
Format	Color
R _Y B	219, 132, 189
Decimal	14386365
CIE Lab	65.93, 41.25, -15.55
CIE LCh	66, 44.082, 339.338
Yxy	35.2367, 0.3472, 0.2622
Android (android.graphics.Color)	4292576445 (0xFFDB84BD)
YUV	164.5110, 12.0731, 47.7869
Hunter-Lab	59.3605, 36.3980, -10.8721

Details

The XYZ color **46.6500, 35.2367, 52.4868** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **41.3704, 58.1783, 43.2340**, and the grayscale version is **35.4641, 37.3110, 40.6316**.

A 20% lighter version of the original color is **75.4918, 63.3932, 94.6435**, and **22.2129, 15.1963, 25.0550** is the 20% darker color. If you saturate the color by 10%, you get **43.1876, 29.5894, 47.3930**, and if you desaturate by 10%, it is **50.7806, 42.1509, 58.0147**.

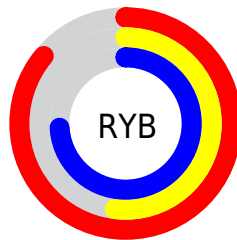
Distribution



Red (86%)

Green (52%)

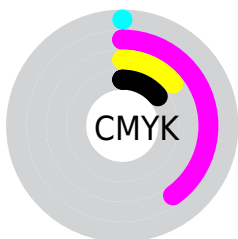
Blue (74%)



Red (86%)

Yellow (52%)

Blue (74%)

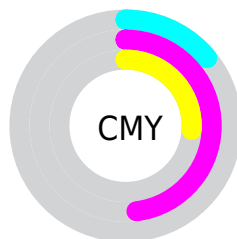


Cyan (0%)

Magenta (40%)

Yellow (14%)

Black (14%)



Cyan (14%)


Magenta (48%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6500, 35.2367, 52.4868 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 46.6500, 35.2367, 52.4868 by changing the saturation by 10% instead.


 46.6500, 35.2367,
52.4868


 46.6500, 35.2367,
52.4868


364.0880,
325.6119, 413.3234


 32.9658, 23.8453,
37.0083

 84.4129, 67.8523,
95.2827

 22.2594, 15.2189,
24.9181


 109.2223, 89.8452,
123.4371

 14.1653, 8.9731,
15.7976


 138.4708,
116.1408, 156.6540

 8.3182, 4.7237,
9.2282

172.5239,
147.1234, 195.3518

 4.3527, 2.0861,
4.7915

211.7468,
183.1774, 239.9491

 1.9036, 0.6568,
2.0689

256.5048,

 0.5789, 0.0000,

224.6872, 290.8644

0.5971

307.1635,
272.0373, 348.5163

■ 0.0000, 0.0000,
0.0000

■ 46.6500, 35.2367,
52.4868

■ 46.6500, 35.2367,
52.4868

■ 43.1876, 29.5894,
47.3930

■ 50.7806, 42.1509,
58.0147

■ 40.3502, 25.1253,
42.7146

■ 55.6126, 50.3993,
63.9898

■ 38.0944, 21.7582,
38.4343


■ 61.1810, 60.0501,
70.4272


■ 36.3695, 19.3879,
34.5318


■ 67.5173, 71.1654,
77.3402


■ 35.1158, 17.8957,
30.9839


■ 74.6511, 83.8035,
84.7418


 34.2305, 17.0774,
27.7529

 79.8701, 92.5388,
91.7306

 34.2080, 17.0579,
27.6670

 80.9805, 92.9830,
97.5782

 82.1378, 93.4459,
103.6725

 83.0237, 93.8002,
108.3372

Harmonies

Analogous

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



42.0870, 35.2367, 73.3896



46.6500, 35.2367, 52.4868



47.4533, 35.2367, 32.8287

Triad

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



46.6500, 35.2367, 52.4868



31.4973, 35.2367, 12.7183



24.6980, 35.2367, 65.9356

Complementary

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



46.6500, 35.2367, 52.4868



41.3704, 58.1783, 43.2340

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.



22.5779, 35.2367, 44.4950



46.6500, 35.2367, 52.4868



26.1539, 35.2367, 16.7527

Square

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



46.6500, 35.2367, 52.4868



38.1144, 35.2367, 13.6172



23.0739, 35.2367, 27.0376



29.2583, 35.2367, 82.7418

Rectangle

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



46.6500, 35.2367, 52.4868



45.6570, 35.2367, 23.3220



23.0739, 35.2367, 27.0376



23.7051, 35.2367, 58.7930

Sweetspot

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



46.6511, 35.2383, 52.4875



84.4005, 81.3455, 97.1977



35.7370, 29.1960, 70.7703



17.8377, 17.0159, 20.5444



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.



46.6511, 35.2383, 52.4875



61.5566, 42.7192, 67.8130



42.6933, 33.6552, 31.6463



13.4137, 13.1946, 15.4397



20.3369, 10.1358, 16.6862



1.3575, 0.6726, 1.2914

Inverse Universe

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



46.6511, 35.2383, 52.4875



61.5566, 42.7192, 67.8130



45.8077, 59.9532, 66.6005



13.4137, 13.1946, 15.4397



20.3369, 10.1358, 16.6862



1.3575, 0.6726, 1.2914

Previews

White Background



This preview shows how the XYZ color 46.6500, 35.2367, 52.4868 looks on a white background.

Color Contrast Check

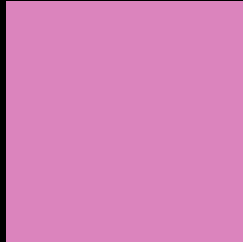
Large Text (above 18pt) WCAG AA × Fail

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 46.6500, 35.2367, 52.4868 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 46.6500, 35.2367, 52.4868

Background



This preview shows how black text looks on a background with the XYZ color 46.6500, 35.2367, 52.4868.



This preview shows how white text looks on a background with the XYZ color 46.6500, 35.2367,

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

46.6500, 35.2367, 52.4868

Protanopia

35.9960, 35.6462, 64.6577

Deuteranopia

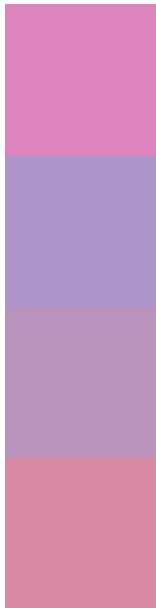
36.3310, 35.6161, 50.8587



Tritanopia

42.9074, 35.4052, 33.4266

Trichromacy



Original Color

46.6500, 35.2367, 52.4868

Protanomaly

38.7456, 34.7106, 59.9160

Deuteranomaly

39.4604, 35.0393, 51.1378

Tritanomaly

43.9654, 35.1706, 39.5933

Monochromacy



Original Color

46.6500, 35.2367, 52.4868

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

39.0388, 36.1527, 44.9650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6500, 35.2367, 52.4868 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(219, 132, 189)` looks like.

```
.text, #text, p{  
    color:rgb(219, 132, 189)  
}
```

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(219, 132, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 132, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.6500, 35.2367, 52.4868 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(219, 132, 189) }
```


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

```
.border{ border-color:rgb(219, 132, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 132, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 132, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 132, 189);  
box-shadow:4px 4px 4px 4px rgb(219, 132,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6500, 35.2367, 52.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 132, 189) }
```

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

```
.background{ background-color: rgb(219,  
132, 189) }
```

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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