

Converting Colors

XYZ(45.9578, 35.3156, 46.3285)

Have a look what the booklet for
XYZ(45.9578, 35.3156, 46.3285)
contains.

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Color

**XYZ(45.9386, 35.2051,
46.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	DC85B2
RGB	220, 133, 178
RGB Percent	86%, 52%, 70%
CMY	0.1373, 0.4784, 0.3020
CMYK	0.00, 0.40, 0.19, 0.14
HSL	329°, 55%, 69%
HSV	329°, 40%, 86%
XYZ	45.9386, 35.2051, 46.4935
YIQ	164.1430, 37.4070, 32.4390

Conversions

Conversions Part 2

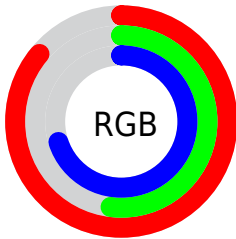
Format	Color
R _Y B	220, 133, 178
Decimal	14452146
CIE Lab	65.91, 39.34, -9.38
CIE LCh	66, 40.441, 346.582
Yxy	35.2051, 0.3599, 0.2758
Android (android.graphics.Color)	4292642226 (0xFFDC85B2)
YUV	164.1430, 6.8315, 48.9866
Hunter-Lab	59.3339, 34.3673, -4.9254

Details

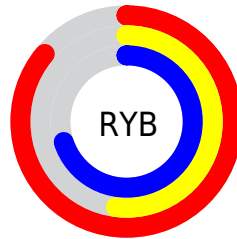
The XYZ color **45.9386, 35.2051, 46.4935** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.0055, 59.2690, 49.7337**, and the grayscale version is **35.3117, 37.1506, 40.4570**.

A 20% lighter version of the original color is **74.0745, 63.1670, 86.1302**, and **21.7484, 15.1521, 21.1804** is the 20% darker color. If you saturate the color by 10%, you get **42.2106, 29.3899, 40.1915**, and if you desaturate by 10%, it is **50.3820, 42.3181, 53.4421**.

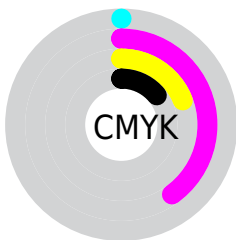
Distribution



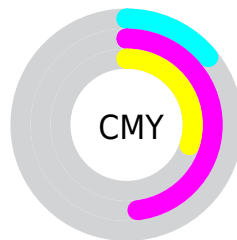
- Red (86%)
- Green (52%)
- Blue (70%)



- Red (86%)
- Yellow (52%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (14%)





- Cyan (14%)
- Magenta (48%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9386, 35.2051, 46.4935 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 45.9386, 35.2051, 46.4935 by changing the saturation by 10% instead.


 45.9386, 35.2051,
46.4935

 45.9386, 35.2051,
46.4935

361.2818,
325.4727, 389.1242


 32.4018, 23.8209,
32.2840


 83.3555, 67.8034,
86.2991

 21.8256, 15.2008,
21.3119


 107.9664, 89.7863,
112.7323

 13.8447, 8.9605,
13.1587


 136.9992,
116.0708, 144.0771

 8.0937, 4.7154,
7.4059

170.8195,
147.0415, 180.7520

 4.2073, 2.0813,
3.6350

209.7926,
183.0826, 223.1757

 1.8201, 0.6541,
1.4273

254.2837,

 0.5297, 0.0000,

224.5786, 271.7666

0.1629

304.6584,
271.9138, 326.9432

■ 0.0000, 0.0000,
0.0000

■ 45.9386, 35.2051,
46.4935

■ 45.9386, 35.2051,
46.4935

■ 42.2106, 29.3899,
40.1915

■ 50.3820, 42.3181,
53.4421

■ 39.1534, 24.7875,
34.5110

■ 55.5757, 50.7972,
61.0568

■ 36.7218, 21.3103,
29.4279

■ 61.5561, 60.7117,
69.3586

■ 34.8635, 18.8568,
24.9147

■ 68.3561, 72.1249,
78.3668

■ 33.5168, 17.3067,
20.9407

■ 76.0067, 85.0961,
88.0999

■ 32.5791, 16.4587,
17.4610

■ 81.2616, 93.1302,
97.4837

■ 32.5405, 16.4258,
17.3117

■ 82.9015, 93.7862,
106.1195

■ 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.



42.5276, 35.2051, 65.7140



45.9386, 35.2051, 46.4935



45.7360, 35.2051, 29.6816

Triad

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



45.9386, 35.2051, 46.4935



30.2860, 35.2051, 14.6405



26.1640, 35.2051, 67.5724

Complementary

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



45.9386, 35.2051, 46.4935



43.0055, 59.2690, 49.7337

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.



23.6065, 35.2051, 48.5192



45.9386, 35.2051, 46.4935



25.7849, 35.2051, 19.8608

Square

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



45.9386, 35.2051, 46.4935



36.2013, 35.2051, 14.3942



23.4766, 35.2051, 31.1869



30.8633, 35.2051, 80.1156

Rectangle

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



45.9386, 35.2051, 46.4935



43.5702, 35.2051, 21.8654



23.4766, 35.2051, 31.1869



25.0512, 35.2051, 61.4983

Sweetspot

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



45.9396, 35.2068, 46.4942



83.7652, 81.0913, 93.8521



38.6740, 30.8972, 71.6359



17.6880, 16.9561, 19.7563



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.



45.9396, 35.2068, 46.4942



60.0188, 42.6674, 57.9787



42.3409, 33.7673, 27.5435



13.3358, 13.1634, 15.0297



19.1543, 9.6627, 10.4583



1.2844, 0.6434, 0.9065

Inverse Universe

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



45.9396, 35.2068, 46.4942



60.0188, 42.6674, 57.9787



47.8046, 61.1887, 75.0053



13.3358, 13.1634, 15.0297



19.1543, 9.6627, 10.4583



1.2844, 0.6434, 0.9065

Previews

White Background



This preview shows how the XYZ color 45.9386, 35.2051, 46.4935 looks on a white background.

Color Contrast Check

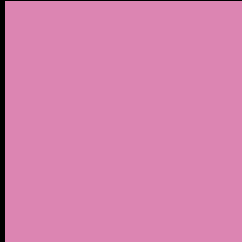
Large Text (above 18pt) WCAG AA × Fail

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 45.9386, 35.2051, 46.4935 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 45.9386, 35.2051, 46.4935

Background



This preview shows how black text looks on a background with the XYZ color 45.9386, 35.2051, 46.4935.



This preview shows how white text looks on a background with the XYZ color 45.9386, 35.2051,

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

45.9386, 35.2051, 46.4935

Protanopia

35.3853, 35.5087, 56.6186

Deuteranopia

36.1060, 35.3790, 44.9702



Tritanopia

43.1286, 35.0986, 32.9354

Trichromacy



Original Color

45.9386, 35.2051, 46.4935



Protanomaly

38.2231, 34.8339, 52.8532



Deuteranomaly

39.0668, 34.9663, 45.2476



Tritanomaly

44.0628, 35.0518, 37.7010

Monochromacy



Original Color

45.9386, 35.2051, 46.4935



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

38.3198, 35.8374, 42.4338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9386, 35.2051, 46.4935 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, 133, 178)` looks like.

```
.text, #text, p{  
    color:rgb(220, 133, 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(220, 133, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 133, 178) }
```

Border

The CSS property to change the border of an element to XYZ 45.9386, 35.2051, 46.4935 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, 133, 178) }
```


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

```
.border{ border-color:rgb(220, 133, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 133, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 133, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 133, 178);  
box-shadow:4px 4px 4px 4px rgb(220, 133,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9386, 35.2051, 46.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 133, 178) }
```

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

```
.background{ background-color: rgb(220,  
133, 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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