

Converting Colors

XYZ(46.7378, 35.8381, 44.9981)

Have a look what the booklet for
XYZ(46.7378, 35.8381, 44.9981)
contains.

XYZ(46.6944, 35.8333, 45.0129)	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(46.6944, 35.8333,
45.0129)**

Conversions

Conversions Part 1

Format	Color
Hex	DF86AF
RGB	223, 134, 175
RGB Percent	87%, 53%, 69%
CMY	0.1255, 0.4745, 0.3137
CMYK	0.00, 0.40, 0.22, 0.13
HSL	332°, 58%, 70%
HSV	332°, 40%, 87%
XYZ	46.6944, 35.8333, 45.0129
YIQ	165.2850, 39.8830, 31.6190

Conversions

Conversions Part 2

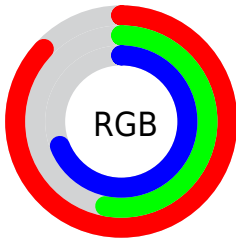
Format	Color
R _Y B	223, 134, 175
Decimal	14649007
CIE Lab	66.39, 39.39, -6.93
CIE LCh	66, 39.995, 350.017
Yxy	35.8333, 0.3661, 0.2810
Android (android.graphics.Color)	4292839087 (0xFFDF86AF)
YUV	165.2850, 4.7895, 50.6161
Hunter-Lab	59.8609, 34.4820, -2.6809

Details

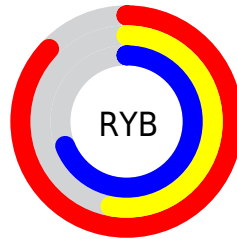
The XYZ color **46.6944, 35.8333, 45.0129** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.6643, 61.2221, 53.7219**, and the grayscale version is **35.8662, 37.7340, 41.0924**.

A 20% lighter version of the original color is **73.8614, 63.4247, 83.9506**, and **22.3183, 15.5716, 20.5682** is the 20% darker color. If you saturate the color by 10%, you get **42.8018, 29.8549, 38.1444**, and if you desaturate by 10%, it is **51.3441, 43.1568, 52.6537**.

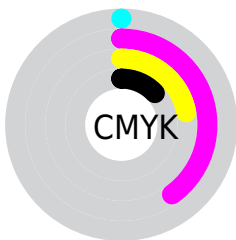
Distribution



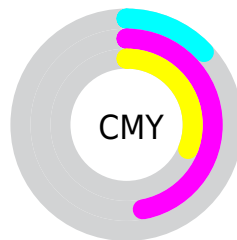
- Red (87%)
- Green (53%)
- Blue (69%)



- Red (87%)
- Yellow (53%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6944, 35.8333, 45.0129 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 46.6944, 35.8333, 45.0129 by changing the saturation by 10% instead.


 46.6944, 35.8333,
45.0129

 46.6944, 35.8333,
45.0129


364.2627,
328.2313, 382.9875

 33.0011, 24.3055,
31.1246


 84.4788, 68.7747,
84.0584

 22.2865, 15.5604,
20.4345


 109.3006, 90.9570,
110.0527

 14.1853, 9.2136,
12.5240


 138.5625,
117.4597, 140.9194

 8.3323, 4.8808,
6.9748

172.6301,
148.6671, 177.0769

 4.3619, 2.1775,
3.3681

211.8685,
184.9635, 218.9440

 1.9088, 0.7077,
1.2855

256.6431,

 0.5820, 0.0000,

226.7334, 266.9391

0.0499

307.3194,
274.3613, 321.4807

■ 0.0000, 0.0000,
0.0000

■ 46.6944, 35.8333,
45.0129

■ 46.6944, 35.8333,
45.0129

■ 42.8018, 29.8549,
38.1444

■ 51.3441, 43.1568,
52.6537

■ 39.6193, 25.1331,
32.0180

■ 56.7881, 51.8966,
61.0910

■ 37.0993, 21.5766,
26.6041

■ 63.0647, 62.1248,
70.3505

■ 35.1862, 19.0795,
21.8694

■ 70.2086, 73.9072,
80.4559

■ 33.8149, 17.5160,
17.7770

■ 78.2528, 87.3056,
91.4299

■ 32.8738, 16.6685,
14.2733

■ 83.0058, 93.9338,
101.8867

■ 32.8660, 16.6618,
14.2434

■ 84.2416, 94.4281,
108.3942

Harmonies

Analogous

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



43.6580, 35.8333, 64.2538



46.6944, 35.8333, 45.0129



46.0546, 35.8333, 28.7885

Triad

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



46.6944, 35.8333, 45.0129



30.2697, 35.8333, 15.5213



27.1868, 35.8333, 70.1061

Complementary

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



46.6944, 35.8333, 45.0129



44.6643, 61.2221, 53.7219

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.



24.3505, 35.8333, 51.4184



46.6944, 35.8333, 45.0129



25.9806, 35.8333, 21.4408

Square

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



46.6944, 35.8333, 45.0129



36.0925, 35.8333, 14.7284



23.9364, 35.8333, 33.5776



32.1023, 35.8333, 81.3030

Rectangle

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



46.6944, 35.8333, 45.0129



43.6530, 35.8333, 21.4310



23.9364, 35.8333, 33.5776



25.9841, 35.8333, 64.2741

Sweetspot

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



46.6954, 35.8350, 45.0136



83.5089, 80.9888, 92.5024



41.0116, 32.2601, 73.8777



17.6277, 16.9320, 19.4390



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.



46.6954, 35.8350, 45.0136



58.7563, 41.5991, 53.0672



43.6768, 35.2929, 27.0665



13.9686, 13.8051, 15.6046



19.3803, 9.8191, 8.6684



1.3882, 0.6985, 0.8369

Inverse Universe

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



46.6954, 35.8350, 45.0136



58.7563, 41.5991, 53.0672



48.7539, 61.6008, 79.1330



13.9686, 13.8051, 15.6046



19.3803, 9.8191, 8.6684



1.3882, 0.6985, 0.8369

Previews

White Background



This preview shows how the XYZ color 46.6944, 35.8333, 45.0129 looks on a white background.

Color Contrast Check

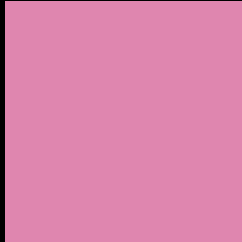
Large Text (above 18pt) WCAG AA × Fail

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 46.6944, 35.8333, 45.0129 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 46.6944, 35.8333, 45.0129

Background



This preview shows how black text looks on a background with the XYZ color 46.6944, 35.8333, 45.0129.



This preview shows how white text looks on a background with the XYZ color 46.6944, 35.8333,

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

46.6944, 35.8333, 45.0129

Protanopia

35.6028, 35.9159, 54.9252

Deuteranopia

36.6412, 35.9385, 43.5337



Tritanopia

44.1726, 35.8508, 33.0255

Trichromacy



Original Color

46.6944, 35.8333, 45.0129

Protanomaly

38.7519, 35.3817, 51.2413

Deuteranomaly

39.6797, 35.5498, 43.8002

Tritanomaly

44.9360, 35.7321, 36.8763

Monochromacy



Original Color

46.6944, 35.8333, 45.0129

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.9667, 36.4149, 42.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6944, 35.8333, 45.0129 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(223, 134, 175)` looks like.

```
.text, #text, p{  
    color:rgb(223, 134, 175)  
}
```

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(223, 134, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 134, 175) }
```

Border

The CSS property to change the border of an element to XYZ 46.6944, 35.8333, 45.0129 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(223, 134, 175) }
```


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

```
.border{ border-color:rgb(223, 134, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 134, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 134, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 134, 175);  
box-shadow:4px 4px 4px 4px rgb(223, 134,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6944, 35.8333, 45.0129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 134, 175) }
```

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

```
.background{ background-color: rgb(223,  
134, 175) }
```

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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