

Converting Colors

$Y_{xy}(60.0465, 0.4452, 0.2589)$

Have a look what the booklet for
Yxy(60.0465, 0.4452, 0.2589)
contains.

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Color

Yxy(36.9507, 0.3620, 0.2283)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DD4
RGB	255, 109, 212
RGB Percent	100%, 43%, 83%
CMY	0.0000, 0.5725, 0.1687
CMYK	0.00, 0.57, 0.17, 0.00
HSL	318°, 100%, 71%
HSV	318°, 57%, 100%
XYZ	58.5902, 36.9507, 66.3106
YIQ	164.3960, 53.9530, 62.9850

Conversions

Conversions Part 2

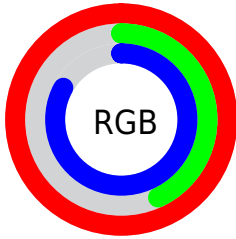
Format	Color
R _Y B	255, 109, 212
Decimal	16739796
CIE _{Lab}	67.24, 66.74, -26.01
CIE _{LCh}	67, 71.628, 338.708
Yxy	36.9507, 0.3620, 0.2283
Android (android.graphics.Color)	4294929876 (0xFFFF6DD4)
YUV	164.3960, 23.4688, 79.4597
Hunter-Lab	60.7871, 65.6716, -22.1265

Details

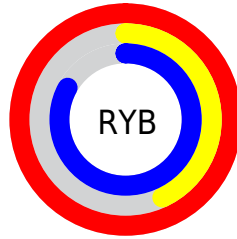
The Yxy color **36.9507, 0.3620, 0.2283** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.0403, 0.2861, 0.4617**, and the grayscale version is **37.1904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.1503, 0.3741, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **31.9064, 0.3741, 0.2157**, and if you desaturate by 10%, it is **43.5919, 0.3507, 0.2439**.

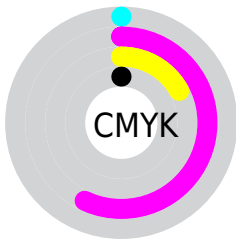
Distribution



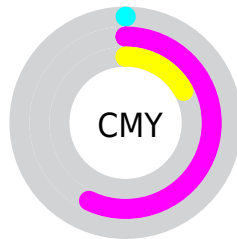
- Red (100%)
- Green (43%)
- Blue (83%)



- Red (100%)
- Yellow (43%)
- Blue (83%)



- Cyan (0%)
- Magenta (57%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9507, 0.3620, 0.2283 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 Yxy color 36.9507, 0.3620, 0.2283 by changing the saturation by 10% instead.


 36.9507, 0.3620,
0.2283


 36.9507, 0.3620,
0.2283


333.0970, 0.3387,
0.2757

 25.1693, 0.3674,
0.2174


 70.4970, 0.3539,
0.2448

 16.2033, 0.3740,
0.2040


 93.0306, 0.3507,
0.2512

 9.6681, 0.3824,
0.1871


 119.9172, 0.3480,
0.2567

 5.1795, 0.3933,
0.1652

151.5410, 0.3457,
0.2615

 2.3529, 0.4079,
0.1363

188.2865, 0.3436,
0.2657

 0.8015, 0.4278,
0.0970

230.5381, 0.3418,

 0.0000, 0.4765,

0.2694

0.0000

278.6801, 0.3402,
0.2727

■ 0.0000, 0.5055,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9507, 0.3620,
0.2283

■ 36.9507, 0.3620,
0.2283

■ 31.9064, 0.3741,
0.2157

■ 43.5919, 0.3507,
0.2439

■ 28.3155, 0.3867,
0.2073

■ 51.9516, 0.3405,
0.2614


■ 26.0132, 0.3993,
0.2037

■ 62.1425, 0.3315,
0.2798

■ 24.7856, 0.4115,
0.2050

■ 74.2669, 0.3236,
0.2983

 24.5487, 0.4148,
0.2059

 88.4196, 0.3169,
0.3164

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.9507, 0.2565, 0.1896



36.9507, 0.3620, 0.2283



36.9507, 0.4673, 0.2864

Triad

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



36.9507, 0.3620, 0.2283



36.9507, 0.4316, 0.4979



36.9507, 0.1419, 0.2480

Complementary

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



36.9507, 0.3620, 0.2283



77.0403, 0.2861, 0.4617

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.



36.9507, 0.1727, 0.3513



36.9507, 0.3620, 0.2283



36.9507, 0.3380, 0.5305

Square

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



36.9507, 0.3620, 0.2283



36.9507, 0.5012, 0.4275



36.9507, 0.2429, 0.4739



36.9507, 0.1463, 0.1930

Rectangle

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



36.9507, 0.3620, 0.2283



36.9507, 0.5106, 0.3310



36.9507, 0.2429, 0.4739



36.9507, 0.1479, 0.2771

Sweetspot

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



36.9515, 0.3620, 0.2283



74.5963, 0.3234, 0.2988



24.6793, 0.2285, 0.1559



15.4089, 0.3249, 0.2951



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9515, 0.3620, 0.2283



31.1776, 0.3763, 0.2139



34.1121, 0.4496, 0.2978



18.2038, 0.3183, 0.3124



12.8546, 0.4129, 0.2048



1.2708, 0.3998, 0.1976

Inverse Universe

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



36.9515, 0.3620, 0.2283



31.1776, 0.3763, 0.2139



80.1196, 0.2541, 0.3672



18.2038, 0.3183, 0.3124



12.8546, 0.4129, 0.2048



1.2708, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 36.9507, 0.3620, 0.2283 looks on a white background.

Color Contrast Check

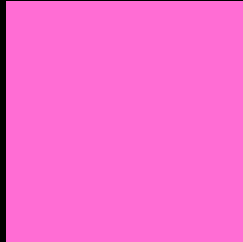
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.9507, 0.3620, 0.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

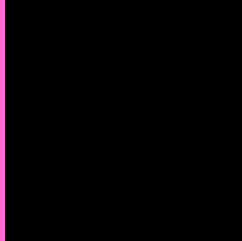
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9507, 0.3620, 0.2283

Background



This preview shows how black text looks on a background with the Yxy color 36.9507, 0.3620, 0.2283.



This preview shows how white text looks on a background with the Yxy color 36.9507, 0.3620, 0.2283.

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

36.9507, 0.3620, 0.2283

Protanopia

37.3433, 0.2277, 0.2143

Deuteranopia

37.3230, 0.2768, 0.2709



Tritanopia

36.7305, 0.4388, 0.3198

Trichromacy



Original Color

36.9507, 0.3620, 0.2283



Protanomaly

34.6905, 0.2644, 0.2140



Deuteranomaly

35.4531, 0.3049, 0.2488



Tritanomaly

36.4373, 0.4107, 0.2832

Monochromacy



Original Color

36.9507, 0.3620, 0.2283



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.1530, 0.3312, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9507, 0.3620, 0.2283 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(255, 109, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 212)  
}
```

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(255, 109, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 212) }
```

Border

The CSS property to change the border of an element to Yxy 36.9507, 0.3620, 0.2283 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(255, 109, 212) }
```

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

```
.border{ border-color:rgb(255, 109, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9507, 0.3620, 0.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 212) }
```

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

```
.background{ background-color: rgb(255,  
109, 212) }
```

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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