

Converting Colors

$Yxy(66.7962, 0.4947, 0.2890)$

Have a look what the booklet for
Yxy(66.7962, 0.4947, 0.2890)
contains.

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Color

Yxy(36.3655, 0.3984, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	FF71B4
RGB	255, 113, 180
RGB Percent	100%, 44%, 71%
CMY	0.0000, 0.5568, 0.2942
CMYK	0.00, 0.56, 0.29, 0.00
HSL	332°, 100%, 72%
HSV	332°, 56%, 100%
XYZ	55.3823, 36.3655, 47.2640
YIQ	163.0960, 63.1250, 50.9410

Conversions

Conversions Part 2

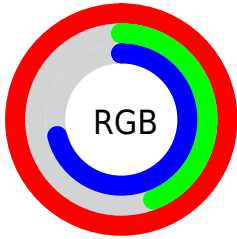
Format	Color
R_{YB}	255, 113, 180
Decimal	16740788
CIE Lab	66.80, 60.73, -8.68
CIE LCh	67, 61.347, 351.869
Yxy	36.3655, 0.3984, 0.2616
Android (android.graphics.Color)	4294930868 (0xFFFF71B4)
YUV	163.0960, 8.3337, 80.5998
Hunter-Lab	60.3038, 58.4006, -4.2568

Details

The Yxy color **36.3655, 0.3984, 0.2616** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.6638, 0.2713, 0.4132**, and the grayscale version is **36.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0656, 0.3318, 0.2629**, and **15.8668, 0.4246, 0.2432** is the 20% darker color. If you saturate the color by 10%, you get **30.9305, 0.4227, 0.2533**, and if you desaturate by 10%, it is **43.4534, 0.3767, 0.2725**.

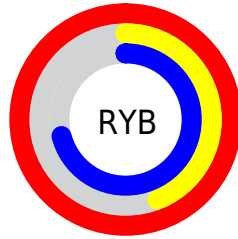
Distribution



Red (100%)

Green (44%)

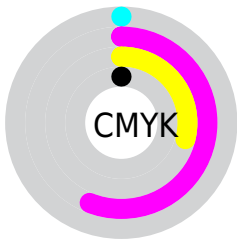
Blue (71%)



Red (100%)

Yellow (44%)

Blue (71%)

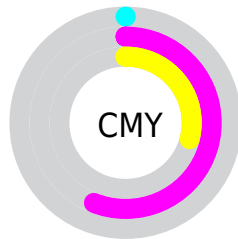


Cyan (0%)

Magenta (56%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3655, 0.3984, 0.2616 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 36.3655, 0.3984, 0.2616 by changing the saturation by 10% instead.

 36.3655, 0.3984,
0.2616


 36.3655, 0.3984,
0.2616


330.5553, 0.3548,
0.2951


 24.7166, 0.4095,
0.2534


 69.5958, 0.3824,
0.2737

 15.8660, 0.4238,
0.2429


 91.9461, 0.3764,
0.2782

 9.4294, 0.4429,
0.2292


 118.6322, 0.3714,
0.2821

 5.0223, 0.4697,
0.2104

150.0386, 0.3671,
0.2854

 2.2604, 0.5097,
0.1836

186.5498, 0.3634,
0.2883

 0.7526, 0.5753,
0.1417

228.5500, 0.3602,

 0.0000, 0.8428,

0.2908

0.0000

276.4237, 0.3573,
0.2931

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3655, 0.3984,
0.2616

■ 36.3655, 0.3984,
0.2616

■ 30.9305, 0.4227,
0.2533

■ 43.4534, 0.3767,
0.2725

■ 27.0068, 0.4489,
0.2489

■ 52.3151, 0.3580,
0.2848

■ 24.4329, 0.4758,
0.2495

■ 63.0626, 0.3422,
0.2976

■ 23.0078, 0.5017,
0.2557

■ 75.7982, 0.3290,
0.3103

■ 22.6223, 0.5124,
0.2596

■ 90.6167, 0.3181,
0.3224

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.



36.3655, 0.3025, 0.2176



36.3655, 0.3984, 0.2616



36.3655, 0.4739, 0.3198

Triad

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



36.3655, 0.3984, 0.2616



36.3655, 0.3866, 0.4960



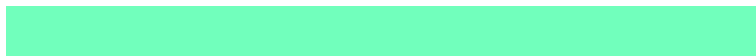
36.3655, 0.1583, 0.2333

Complementary

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



36.3655, 0.3984, 0.2616



78.6638, 0.2713, 0.4132

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.



36.3655, 0.1729, 0.3064



36.3655, 0.3984, 0.2616



36.3655, 0.3004, 0.4887

Square

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



36.3655, 0.3984, 0.2616



36.3655, 0.4585, 0.4488



36.3655, 0.2221, 0.4090



36.3655, 0.1753, 0.1986

Rectangle

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



36.3655, 0.3984, 0.2616



36.3655, 0.4944, 0.3624



36.3655, 0.2221, 0.4090



36.3655, 0.1595, 0.2531

Sweetspot

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



36.3663, 0.3984, 0.2616



74.0037, 0.3306, 0.3086



29.5178, 0.2579, 0.1718



15.2687, 0.3331, 0.3061



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.



36.3663, 0.3984, 0.2616



30.3304, 0.4261, 0.2525



34.7997, 0.4805, 0.3318



18.1297, 0.3220, 0.3178



11.8503, 0.5085, 0.2575



1.1757, 0.4815, 0.2426

Inverse Universe

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



36.3663, 0.3984, 0.2616



30.3304, 0.4261, 0.2525



80.7506, 0.2417, 0.3261



18.1297, 0.3220, 0.3178



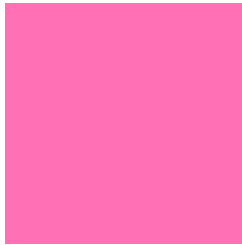
11.8503, 0.5085, 0.2575



1.1757, 0.4815, 0.2426

Previews

White Background



This preview shows how the Yxy color 36.3655, 0.3984, 0.2616 looks on a white background.

Color Contrast Check

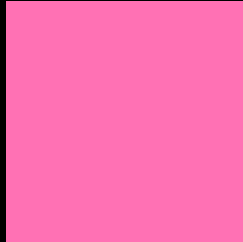
Large Text (above 18pt) WCAG AA × Fail

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 36.3655, 0.3984, 0.2616 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 36.3655, 0.3984, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 36.3655, 0.3984, 0.2616.



This preview shows how white text looks on a background with the Yxy color 36.3655, 0.3984, 0.2616.

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

36.3655, 0.3984, 0.2616

Protanopia

36.6328, 0.2625, 0.2597

Deuteranopia

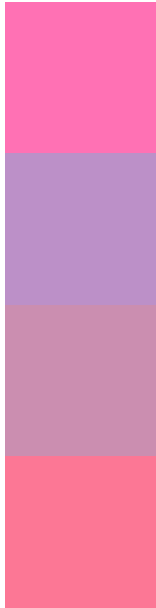
36.4695, 0.3146, 0.3083



Tritanopia

36.3411, 0.4495, 0.3201

Trichromacy



Original Color

36.3655, 0.3984, 0.2616

Protanomaly

34.8080, 0.3044, 0.2576

Deuteranomaly

35.1771, 0.3427, 0.2861

Tritanomaly

36.0590, 0.4316, 0.2983

Monochromacy



Original Color

36.3655, 0.3984, 0.2616

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

34.8511, 0.3422, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3655, 0.3984, 0.2616 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, 113, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 180)  
}
```

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, 113, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 180) }
```

Border

The CSS property to change the border of an element to Yxy 36.3655, 0.3984, 0.2616 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, 113, 180) }
```

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

```
.border{ border-color:rgb(255, 113, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3655, 0.3984, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 180) }
```

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

```
.background{ background-color: rgb(255,  
113, 180) }
```

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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