

Converting Colors

Yxy(37.6839, 0.4057, 0.2758)

Have a look what the booklet for
Yxy(37.6839, 0.4057, 0.2758)
contains.

Yxy(37.6715, 0.4060, 0.2761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6715, 0.4060, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	FF78AC
RGB	255, 120, 172
RGB Percent	100%, 47%, 67%
CMY	0.0001, 0.5293, 0.3255
CMYK	0.00, 0.53, 0.33, 0.00
HSL	337°, 100%, 74%
HSV	337°, 53%, 100%
XYZ	55.3953, 37.6715, 43.3748
YIQ	166.2930, 63.7680, 44.7920

Conversions

Conversions Part 2

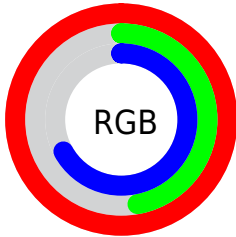
Format	Color
R_{YB}	255, 120, 172
Decimal	16742572
CIE Lab	67.78, 56.54, -2.72
CIE LCh	68, 56.606, 357.251
Yxy	37.6715, 0.4060, 0.2761
Android (android.graphics.Color)	4294932652 (0xFFFF78AC)
YUV	166.2930, 2.8136, 77.7960
Hunter-Lab	61.3771, 53.6933, 1.0642

Details

The Yxy color **37.6715, 0.4060, 0.2761** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.8124, 0.2672, 0.3929**, and the grayscale version is **38.2488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8567, 0.3386, 0.2774**, and **16.6250, 0.4341, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **31.7664, 0.4345, 0.2690**, and if you desaturate by 10%, it is **45.2840, 0.3811, 0.2853**.

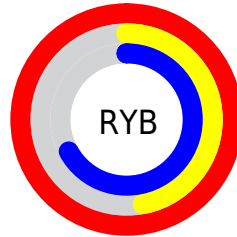
Distribution



Red (100%)

Green (47%)

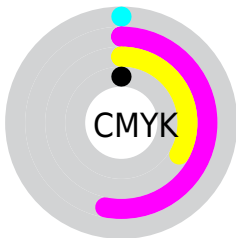
Blue (67%)



Red (100%)

Yellow (47%)

Blue (67%)

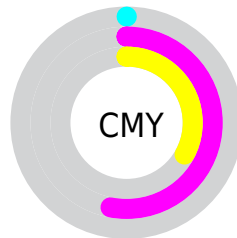


Cyan (0%)

Magenta (53%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6715, 0.4060, 0.2761 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 37.6715, 0.4060, 0.2761 by changing the saturation by 10% instead.


 37.6715, 0.4060,
0.2761


 37.6715, 0.4060,
0.2761


336.2087, 0.3582,
0.3029

 25.7278, 0.4182,
0.2693


 71.6044, 0.3884,
0.2859

 16.6201, 0.4341,
0.2606


 94.3623, 0.3818,
0.2896

 9.9640, 0.4555,
0.2490


 121.4939, 0.3763,
0.2927

 5.3751, 0.4856,
0.2327

153.3833, 0.3716,
0.2953

 2.4690, 0.5308,
0.2087

190.4152, 0.3676,
0.2976

 0.8611, 0.6049,
0.1703

232.9737, 0.3640,

 0.0000, 1.0000,

0.2996

0.0000

281.4434, 0.3609,
0.3014

0.0000, 0.0000,
0.0000

37.6715, 0.4060,
0.2761

37.6715, 0.4060,
0.2761

31.7664, 0.4345,
0.2690

45.2840, 0.3811,
0.2853

27.4278, 0.4657,
0.2653

54.7188, 0.3599,
0.2956

24.5017, 0.4979,
0.2663

66.0870, 0.3422,
0.3061

22.7992, 0.5288,
0.2726

79.4896, 0.3277,
0.3165

22.1406, 0.5488,
0.2797

95.0201, 0.3158,
0.3263

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



37.6715, 0.3193, 0.2317



37.6715, 0.4060, 0.2761



37.6715, 0.4674, 0.3325

Triad

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



37.6715, 0.4060, 0.2761



37.6715, 0.3688, 0.4851



37.6715, 0.1699, 0.2332

Complementary

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



37.6715, 0.4060, 0.2761



79.8124, 0.2672, 0.3929

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.



37.6715, 0.1786, 0.2948



37.6715, 0.4060, 0.2761



37.6715, 0.2886, 0.4641

Square

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



37.6715, 0.4060, 0.2761



37.6715, 0.4384, 0.4510



37.6715, 0.2194, 0.3848



37.6715, 0.1911, 0.2057

Rectangle

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



37.6715, 0.4060, 0.2761



37.6715, 0.4802, 0.3730



37.6715, 0.2194, 0.3848



37.6715, 0.1694, 0.2498

Sweetspot

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



37.6734, 0.4060, 0.2761



75.1625, 0.3319, 0.3133



33.0755, 0.2709, 0.1834



15.4891, 0.3348, 0.3112



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.



37.6734, 0.4060, 0.2761



31.2341, 0.4377, 0.2684



39.5310, 0.4607, 0.3431



18.1028, 0.3233, 0.3199



11.5983, 0.5445, 0.2773



1.1499, 0.5138, 0.2604

Inverse Universe

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



37.6734, 0.4060, 0.2761



31.2341, 0.4377, 0.2684



74.4095, 0.2414, 0.3130



18.1028, 0.3233, 0.3199



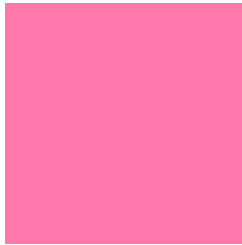
11.5983, 0.5445, 0.2773



1.1499, 0.5138, 0.2604

Previews

White Background



This preview shows how the Yxy color 37.6715, 0.4060, 0.2761 looks on a white background.

Color Contrast Check

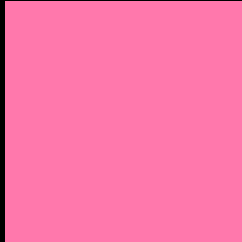
Large Text (above 18pt) WCAG AA × Fail

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 37.6715, 0.4060, 0.2761 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 37.6715, 0.4060, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 37.6715, 0.4060, 0.2761.



This preview shows how white text looks on a background with the Yxy color 37.6715, 0.4060, 0.2761.

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

37.6715, 0.4060, 0.2761

Protanopia

37.9902, 0.2784, 0.2798

Deuteranopia

37.7185, 0.3276, 0.3209



Tritanopia

37.6518, 0.4435, 0.3201

Trichromacy



Original Color

37.6715, 0.4060, 0.2761



Protanomaly

36.2350, 0.3182, 0.2753



Deuteranomaly

36.4878, 0.3556, 0.3003



Tritanomaly

37.4679, 0.4304, 0.3034

Monochromacy



Original Color

37.6715, 0.4060, 0.2761



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.3278, 0.3445, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6715, 0.4060, 0.2761 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, 120, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 172)  
}
```

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, 120, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 172) }
```

Border

The CSS property to change the border of an element to Yxy 37.6715, 0.4060, 0.2761 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, 120, 172) }
```

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

```
.border{ border-color:rgb(255, 120, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6715, 0.4060, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 172) }
```

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

```
.background{ background-color: rgb(255,  
120, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor