

Converting Colors

$Y_{xy}(36.8219, 0.4137, 0.2792)$

Have a look what the booklet for
Yxy(36.8219, 0.4137, 0.2792)
contains.

Yxy(36.7358, 0.4143, 0.2793)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7358, 0.4143, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	FF75A6
RGB	255, 117, 166
RGB Percent	100%, 46%, 65%
CMY	0.0000, 0.5412, 0.3490
CMYK	0.00, 0.54, 0.35, 0.00
HSL	339°, 100%, 73%
HSV	339°, 54%, 100%
XYZ	54.4921, 36.7358, 40.3002
YIQ	163.8480, 66.5190, 44.4950

Conversions

Conversions Part 2

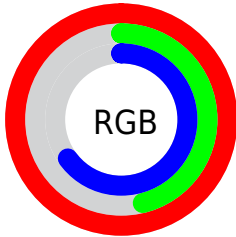
Format	Color
R_{YB}	255, 117, 166
Decimal	16741798
CIE _{Lab}	67.08, 57.27, -0.36
CIE _{LCh}	67, 57.275, 359.641
Yxy	36.7358, 0.4143, 0.2793
Android (android.graphics.Color)	4294931878 (0xFFFF75A6)
YUV	163.8480, 1.0609, 79.9403
Hunter-Lab	60.6101, 54.4146, 3.0046

Details

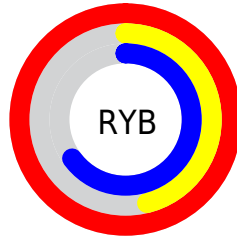
The Yxy color **36.7358, 0.4143, 0.2793** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.7559, 0.2647, 0.3892**, and the grayscale version is **37.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3676, 0.3440, 0.2801**, and **16.1545, 0.4463, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **31.0136, 0.4449, 0.2732**, and if you desaturate by 10%, it is **44.1469, 0.3874, 0.2876**.

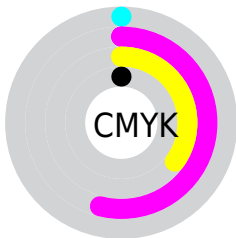
Distribution



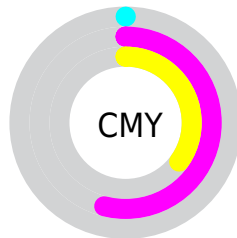
- Red (100%)
- Green (46%)
- Blue (65%)



- Red (100%)
- Yellow (46%)
- Blue (65%)



- Cyan (0%)
- Magenta (54%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7358, 0.4143, 0.2793 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 36.7358, 0.4143, 0.2793 by changing the saturation by 10% instead.

 36.7358, 0.4143,
0.2793

 36.7358, 0.4143,
0.2793

332.1653, 0.3618,
0.3049


 25.0030, 0.4278,
0.2727


 70.1663, 0.3949,
0.2888

 16.0793, 0.4454,
0.2641


 92.6327, 0.3877,
0.2923

 9.5803, 0.4692,
0.2526


 119.4458, 0.3817,
0.2952

 5.1216, 0.5029,
0.2362

150.9900, 0.3765,
0.2978

 2.3188, 0.5537,
0.2115

187.6496, 0.3721,
0.2999

 0.7836, 0.6380,
0.1707


229.8091, 0.3682,


 0.0000, 1.0000,

0.3018


0.0000

277.8529, 0.3648,
0.3035


 0.0000, 0.0000,
0.0000


 36.7358, 0.4143,
0.2793


 36.7358, 0.4143,
0.2793


 31.0136, 0.4449,
0.2732


 44.1469, 0.3874,
0.2876

 26.8517, 0.4781,
0.2707


 53.3785, 0.3646,
0.2970


 24.0875, 0.5120,
0.2728

 64.5385, 0.3456,
0.3067

 22.5261, 0.5437,
0.2801

 77.7290, 0.3300,
0.3163

 22.0081, 0.5606,
0.2862

 93.0449, 0.3173,
0.3254

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.



36.7358, 0.3264, 0.2330



36.7358, 0.4143, 0.2793



36.7358, 0.4734, 0.3371

Triad

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



36.7358, 0.4143, 0.2793



36.7358, 0.3630, 0.4891



36.7358, 0.1682, 0.2279

Complementary

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



36.7358, 0.4143, 0.2793



79.7559, 0.2647, 0.3892

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.



36.7358, 0.1744, 0.2876



36.7358, 0.4143, 0.2793



36.7358, 0.2816, 0.4626

Square

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



36.7358, 0.4143, 0.2793



36.7358, 0.4356, 0.4569



36.7358, 0.2131, 0.3782



36.7358, 0.1920, 0.2027

Rectangle

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



36.7358, 0.4143, 0.2793



36.7358, 0.4832, 0.3783



36.7358, 0.2131, 0.3782



36.7358, 0.1669, 0.2437

Sweetspot

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



36.7328, 0.4143, 0.2793



75.0944, 0.3327, 0.3145



32.8324, 0.2737, 0.1818



15.4730, 0.3358, 0.3126



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.



36.7328, 0.4143, 0.2793



30.5886, 0.4477, 0.2729



39.9802, 0.4628, 0.3480



18.0937, 0.3238, 0.3206



11.5254, 0.5563, 0.2838



1.1421, 0.5249, 0.2665

Inverse Universe

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



36.7328, 0.4143, 0.2793



30.5886, 0.4477, 0.2729



71.3368, 0.2391, 0.3070



18.0937, 0.3238, 0.3206



11.5254, 0.5563, 0.2838



1.1421, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 36.7358, 0.4143, 0.2793 looks on a white background.

Color Contrast Check

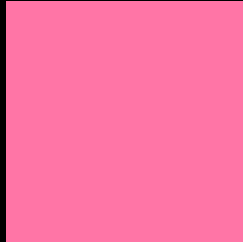
Large Text (above 18pt) WCAG AA × Fail

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 36.7358, 0.4143, 0.2793 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 36.7358, 0.4143, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 36.7358, 0.4143, 0.2793.



This preview shows how white text looks on a background with the Yxy color 36.7358, 0.4143, 0.2793.

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

36.7358, 0.4143, 0.2793

Protanopia

36.9038, 0.2819, 0.2845

Deuteranopia

36.7807, 0.3345, 0.3277



Tritanopia

36.7767, 0.4499, 0.3212

Trichromacy



Original Color

36.7358, 0.4143, 0.2793



Protanomaly

35.3559, 0.3240, 0.2799



Deuteranomaly

35.6635, 0.3625, 0.3052



Tritanomaly

36.5710, 0.4378, 0.3057

Monochromacy



Original Color

36.7358, 0.4143, 0.2793



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.4544, 0.3469, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7358, 0.4143, 0.2793 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, 117, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 166)  
}
```

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, 117, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 166) }
```

Border

The CSS property to change the border of an element to Yxy 36.7358, 0.4143, 0.2793 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, 117, 166) }
```

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

```
.border{ border-color:rgb(255, 117, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7358, 0.4143, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 166) }
```

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

```
.background{ background-color: rgb(255,  
117, 166) }
```

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