

Converting Colors

$Y_{xy}(36.7522, 0.3952, 0.2605)$

Have a look what the booklet for
Yxy(36.7522, 0.3952, 0.2605)
contains.

Yxy(36.6720, 0.3957, 0.2605)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6720, 0.3957, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	FF72B6
RGB	255, 114, 182
RGB Percent	100%, 45%, 71%
CMY	0.0000, 0.5530, 0.2863
CMYK	0.00, 0.55, 0.29, 0.00
HSL	331°, 100%, 72%
HSV	331°, 55%, 100%
XYZ	55.7048, 36.6720, 48.3986
YIQ	163.9110, 62.2080, 51.0400

Conversions

Conversions Part 2

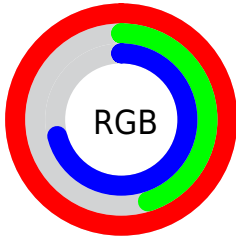
Format	Color
R _Y B	255, 114, 182
Decimal	16741046
CIE Lab	67.03, 60.54, -9.48
CIE LCh	67, 61.278, 351.101
Yxy	36.6720, 0.3957, 0.2605
Android (android.graphics.Color)	4294931126 (0xFFFF72B6)
YUV	163.9110, 8.9179, 79.8851
Hunter-Lab	60.5574, 58.2210, -4.9955

Details

The Yxy color **36.6720, 0.3957, 0.2605** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.6847, 0.2722, 0.4145**, and the grayscale version is **37.0124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5589, 0.3300, 0.2620**, and **16.0154, 0.4206, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **31.1781, 0.4193, 0.2518**, and if you desaturate by 10%, it is **43.8183, 0.3747, 0.2717**.

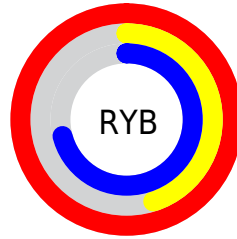
Distribution



Red (100%)

Green (45%)

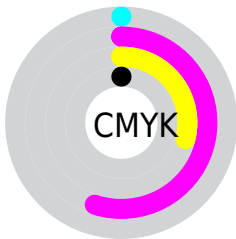
Blue (71%)



Red (100%)

Yellow (45%)

Blue (71%)

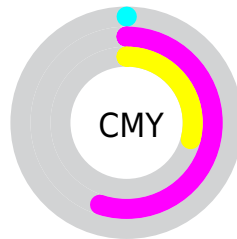


Cyan (0%)

Magenta (55%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6720, 0.3957, 0.2605 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 36.6720, 0.3957, 0.2605 by changing the saturation by 10% instead.

 36.6720, 0.3957,
0.2605


 36.6720, 0.3957,
0.2605


331.8883, 0.3536,
0.2944


 24.9536, 0.4063,
0.2522


 70.0680, 0.3803,
0.2727

 16.0425, 0.4201,
0.2417


 92.5145, 0.3745,
0.2773

 9.5542, 0.4384,
0.2279


 119.3058, 0.3697,
0.2812

 5.1044, 0.4640,
0.2092

150.8263, 0.3655,
0.2846

 2.3087, 0.5021,
0.1825

187.4604, 0.3619,
0.2875

 0.7783, 0.5641,
0.1415

229.5925, 0.3588,

 0.0000, 0.7986,

0.2901

0.0000

277.6070, 0.3560,
0.2923

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6720, 0.3957,
0.2605

■ 36.6720, 0.3957,
0.2605

■ 31.1781, 0.4193,
0.2518

■ 43.8183, 0.3747,
0.2717

■ 27.2012, 0.4448,
0.2470

■ 52.7426, 0.3565,
0.2843

■ 24.5791, 0.4710,
0.2472

■ 63.5546, 0.3411,
0.2974

■ 23.1130, 0.4963,
0.2530

■ 76.3563, 0.3282,
0.3103

■ 22.6897, 0.5078,
0.2571

■ 91.2421, 0.3176,
0.3227

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.



36.6720, 0.3002, 0.2170



36.6720, 0.3957, 0.2605



36.6720, 0.4719, 0.3183

Triad

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



36.6720, 0.3957, 0.2605



36.6720, 0.3885, 0.4947



36.6720, 0.1588, 0.2350

Complementary

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



36.6720, 0.3957, 0.2605



78.6847, 0.2722, 0.4145

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.



36.6720, 0.1742, 0.3089



36.6720, 0.3957, 0.2605



36.6720, 0.3027, 0.4891

Square

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



36.6720, 0.3957, 0.2605



36.6720, 0.4595, 0.4470



36.6720, 0.2242, 0.4112



36.6720, 0.1749, 0.1995

Rectangle

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



36.6720, 0.3957, 0.2605



36.6720, 0.4935, 0.3608



36.6720, 0.2242, 0.4112



36.6720, 0.1602, 0.2552

Sweetspot

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



36.6710, 0.3957, 0.2605



74.0301, 0.3303, 0.3082



29.7992, 0.2584, 0.1729



15.2750, 0.3327, 0.3056



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.



36.6710, 0.3957, 0.2605



30.8502, 0.4210, 0.2513



35.0454, 0.4787, 0.3318



18.1330, 0.3218, 0.3176



11.8857, 0.5040, 0.2550



1.1792, 0.4776, 0.2404

Inverse Universe

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



36.6710, 0.3957, 0.2605



30.8502, 0.4210, 0.2513



80.8268, 0.2421, 0.3261



18.1330, 0.3218, 0.3176



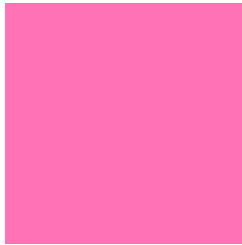
11.8857, 0.5040, 0.2550



1.1792, 0.4776, 0.2404

Previews

White Background



This preview shows how the Yxy color 36.6720, 0.3957, 0.2605 looks on a white background.

Color Contrast Check

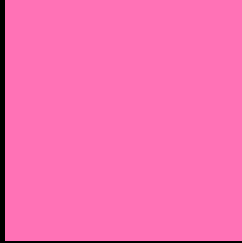
Large Text (above 18pt) WCAG AA × Fail

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 36.6720, 0.3957, 0.2605 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 36.6720, 0.3957, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 36.6720, 0.3957, 0.2605.



This preview shows how white text looks on a background with the Yxy color 36.6720, 0.3957, 0.2605.

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

36.6720, 0.3957, 0.2605

Protanopia

37.0853, 0.2613, 0.2587

Deuteranopia

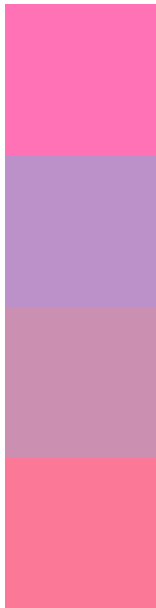
36.8901, 0.3128, 0.3070



Tritanopia

36.6180, 0.4478, 0.3201

Trichromacy



Original Color

36.6720, 0.3957, 0.2605

Protanomaly

35.2064, 0.3026, 0.2566

Deuteranomaly

35.5558, 0.3405, 0.2849

Tritanomaly

36.3628, 0.4287, 0.2972

Monochromacy



Original Color

36.6720, 0.3957, 0.2605

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.3684, 0.3410, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6720, 0.3957, 0.2605 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, 114, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 182)  
}
```

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, 114, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 182) }
```

Border

The CSS property to change the border of an element to Yxy 36.6720, 0.3957, 0.2605 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, 114, 182) }
```

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

```
.border{ border-color:rgb(255, 114, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6720, 0.3957, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 182) }
```

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

```
.background{ background-color: rgb(255,  
114, 182) }
```

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