

Converting Colors

$Y_{xy}(44.5251, 0.4585, 0.2882)$

Have a look what the booklet for
Yxy(44.5251, 0.4585, 0.2882)
contains.

Yxy(35.6789, 0.4206, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.6789, 0.4206, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	FF71A2
RGB	255, 113, 162
RGB Percent	100%, 44%, 64%
CMY	0.0000, 0.5569, 0.3646
CMYK	0.00, 0.56, 0.36, 0.00
HSL	339°, 100%, 72%
HSV	339°, 56%, 100%
XYZ	53.6715, 35.6789, 38.2566
YIQ	161.0440, 68.9030, 45.3430

Conversions

Conversions Part 2

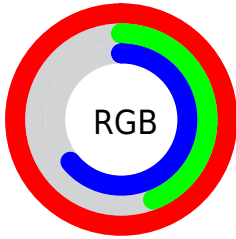
Format	Color
RYB	255, 113, 162
Decimal	16740770
CIELab	66.27, 58.65, 0.72
CIELCh	66, 58.650, 0.707
Yxy	35.6789, 0.4206, 0.2796
Android (android.graphics.Color)	4294930850 (0xFFFF71A2)
YUV	161.0440, 0.4713, 82.3994
Hunter-Lab	59.7318, 55.8589, 3.8387

Details

The Yxy color **35.6789, 0.4206, 0.2796** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.4847, 0.2632, 0.3895**, and the grayscale version is **35.6358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6457, 0.3481, 0.2799**, and **15.4454, 0.4528, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **30.2118, 0.4523, 0.2742**, and if you desaturate by 10%, it is **42.8232, 0.3926, 0.2874**.

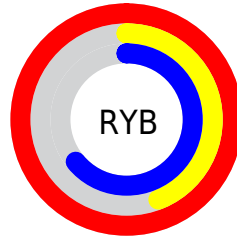
Distribution



Red (100%)

Green (44%)

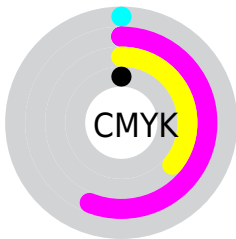
Blue (64%)



Red (100%)

Yellow (44%)

Blue (64%)

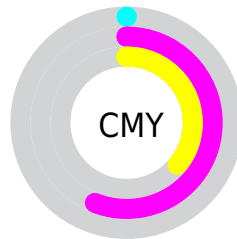


Cyan (0%)

Magenta (56%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6789, 0.4206, 0.2796 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 35.6789, 0.4206, 0.2796 by changing the saturation by 10% instead.


 35.6789, 0.4206,
0.2796

 35.6789, 0.4206,
0.2796


327.5549, 0.3646,
0.3054


 24.1863, 0.4351,
0.2729


 68.5362, 0.3998,
0.2892

 15.4719, 0.4541,
0.2641


 90.6696, 0.3921,
0.2927

 9.1512, 0.4798,
0.2522


 117.1188, 0.3857,
0.2957

 4.8400, 0.5163,
0.2352

148.2682, 0.3802,
0.2982

 2.1537, 0.5715,
0.2093

184.5021, 0.3755,
0.3004

 0.6946, 0.6676,
0.1649

226.2049, 0.3714,


 0.0000, 1.0000,


0.3022


0.0000


273.7610, 0.3678,
0.3039


 0.0000, 0.0000,
0.0000


 35.6789, 0.4206,
0.2796


 35.6789, 0.4206,
0.2796


 30.2118, 0.4523,
0.2742


 42.8232, 0.3926,
0.2874


 26.2804, 0.4864,
0.2725


 51.7686, 0.3688,
0.2964


 23.7208, 0.5207,
0.2756

 62.6281, 0.3489,
0.3059

 22.3302, 0.5521,
0.2838

 75.5052, 0.3326,
0.3152

 21.9656, 0.5644,
0.2883

 90.4958, 0.3192,
0.3242

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.



35.6789, 0.3299, 0.2317



35.6789, 0.4206, 0.2796



35.6789, 0.4800, 0.3389

Triad

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



35.6789, 0.4206, 0.2796



35.6789, 0.3609, 0.4948



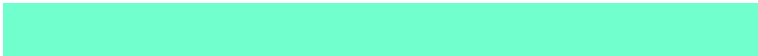
35.6789, 0.1647, 0.2232

Complementary

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



35.6789, 0.4206, 0.2796



79.4847, 0.2632, 0.3895

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.



35.6789, 0.1697, 0.2829



35.6789, 0.4206, 0.2796



35.6789, 0.2773, 0.4655

Square

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



35.6789, 0.4206, 0.2796



35.6789, 0.4365, 0.4620



35.6789, 0.2079, 0.3762



35.6789, 0.1901, 0.1988

Rectangle

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



35.6789, 0.4206, 0.2796



35.6789, 0.4884, 0.3811



35.6789, 0.2079, 0.3762



35.6789, 0.1629, 0.2389

Sweetspot

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



35.6792, 0.4206, 0.2796



73.6973, 0.3345, 0.3140



32.0509, 0.2742, 0.1786



15.1967, 0.3376, 0.3122



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.



35.6792, 0.4206, 0.2796



29.6117, 0.4566, 0.2738



39.5844, 0.4678, 0.3508



18.0906, 0.3240, 0.3208



11.5027, 0.5601, 0.2859



1.1396, 0.5285, 0.2685

Inverse Universe

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



35.6792, 0.4206, 0.2796



29.6117, 0.4566, 0.2738



69.4050, 0.2369, 0.3034



18.0906, 0.3240, 0.3208



11.5027, 0.5601, 0.2859



1.1396, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 35.6789, 0.4206, 0.2796 looks on a white background.

Color Contrast Check

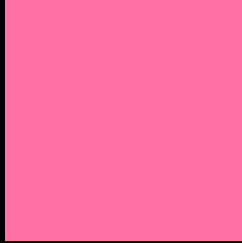
Large Text (above 18pt) WCAG AA × Fail

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 35.6789, 0.4206, 0.2796 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 35.6789, 0.4206, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 35.6789, 0.4206, 0.2796.



This preview shows how white text looks on a background with the Yxy color 35.6789, 0.4206, 0.2796.

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

35.6789, 0.4206, 0.2796

Protanopia

35.8718, 0.2823, 0.2854

Deuteranopia

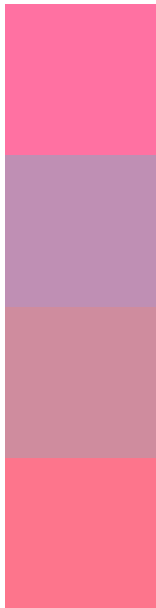
35.7272, 0.3366, 0.3305



Tritanopia

35.6869, 0.4569, 0.3213

Trichromacy



Original Color

35.6789, 0.4206, 0.2796

Protanomaly

34.0166, 0.3262, 0.2806

Deuteranomaly

34.4902, 0.3666, 0.3063

Tritanomaly

35.4987, 0.4447, 0.3059

Monochromacy



Original Color

35.6789, 0.4206, 0.2796

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.1218, 0.3497, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6789, 0.4206, 0.2796 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 162) }
```

Border

The CSS property to change the border of an element to Yxy 35.6789, 0.4206, 0.2796 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, 162) }
```

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

```
.border{ border-color:rgb(255, 113, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6789, 0.4206, 0.2796 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
113, 162) }
```

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