

Converting Colors

$Y_{xy}(30.8078, 0.4247, 0.2589)$

Have a look what the booklet for
Yxy(30.8078, 0.4247, 0.2589)
contains.

Yxy(30.7863, 0.4248, 0.2594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.7863, 0.4248, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	FC5BA2
RGB	252, 91, 162
RGB Percent	99%, 36%, 64%
CMY	0.0117, 0.6432, 0.3646
CMYK	0.00, 0.64, 0.36, 0.01
HSL	334°, 96%, 67%
HSV	334°, 64%, 99%
XYZ	50.4164, 30.7863, 37.4800
YIQ	147.2330, 73.1650, 56.2130

Conversions

Conversions Part 2

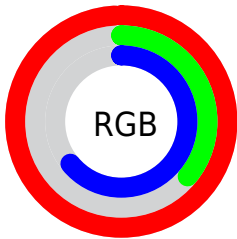
Format	Color
R _Y B	252, 91, 162
Decimal	16538530
CIE Lab	62.33, 67.13, -5.12
CIE LCh	62, 67.324, 355.639
Yxy	30.7863, 0.4248, 0.2594
Android (android.graphics.Color)	4294728610 (0xFFFC5BA2)
YUV	147.2330, 7.2801, 91.8807
Hunter-Lab	55.4854, 65.0933, -1.2102

Details

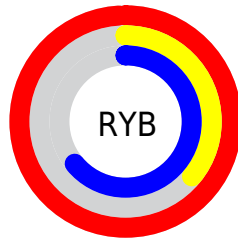
The Yxy color **30.7863, 0.4248, 0.2594** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **75.1951, 0.2661, 0.4215**, and the grayscale version is **29.2234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7646, 0.3511, 0.2600**, and **12.7244, 0.4597, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **26.7066, 0.4526, 0.2549**, and if you desaturate by 10%, it is **36.3712, 0.3992, 0.2676**.

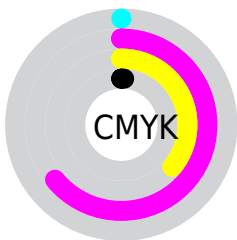
Distribution



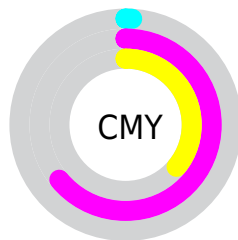
- Red (99%)
- Green (36%)
- Blue (64%)



- Red (99%)
- Yellow (36%)
- Blue (64%)



- Cyan (0%)
- Magenta (64%)
- Yellow (36%)
- Black (1%)




- Cyan (1%)
- Magenta (64%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7863, 0.4248, 0.2594 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 30.7863, 0.4248, 0.2594 by changing the saturation by 10% instead.


 30.7863, 0.4248,
0.2594


 30.7863, 0.4248,
0.2594


305.5526, 0.3660,
0.2953


 20.4362, 0.4403,
0.2502


 60.9035, 0.4028,
0.2726

 12.7125, 0.4606,
0.2383


 81.4393, 0.3947,
0.2775

 7.2309, 0.4884,
0.2222


 106.1391, 0.3880,
0.2817

 3.6069, 0.5281,
0.1998

 135.3874, 0.3822,
0.2852

 1.4562, 0.5890,
0.1665

169.5685, 0.3773,
0.2882

 0.2576, 0.7259,
0.0788

209.0668, 0.3730,

 0.0000, 1.0000,

0.2909

0.0000

254.2667, 0.3693,
0.2932

0.0000, 0.0000,
0.0000

30.7863, 0.4248,
0.2594

30.7863, 0.4248,
0.2594

26.7066, 0.4526,
0.2549

36.3712, 0.3992,
0.2676

23.9739, 0.4814,
0.2552

43.5888, 0.3767,
0.2780


22.4030, 0.5092,
0.2610


52.5584, 0.3573,
0.2897

21.8521, 0.5253,
0.2667

63.3867, 0.3411,
0.3017

76.1718, 0.3276,
0.3135

 91.0050, 0.3165,
0.3248

 99.4403, 0.3109,
0.3290

Harmonies

Analogous

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



30.7863, 0.3133, 0.2087



30.7863, 0.4248, 0.2594



30.7863, 0.5057, 0.3240

Triad

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



30.7863, 0.4248, 0.2594



30.7863, 0.3803, 0.5244



30.7863, 0.1406, 0.2116

Complementary

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



30.7863, 0.4248, 0.2594



75.1951, 0.2661, 0.4215

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.



30.7863, 0.1507, 0.2873



30.7863, 0.4248, 0.2594



30.7863, 0.2830, 0.5107

Square

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



30.7863, 0.4248, 0.2594



30.7863, 0.4662, 0.4689



30.7863, 0.1988, 0.4068



30.7863, 0.1633, 0.1798

Rectangle

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



30.7863, 0.4248, 0.2594



30.7863, 0.5215, 0.3709



30.7863, 0.1988, 0.4068



30.7863, 0.1401, 0.2313

Sweetspot

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



30.7879, 0.4248, 0.2594



71.2652, 0.3342, 0.3075



24.1577, 0.2520, 0.1521



14.4688, 0.3382, 0.3041



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.



30.7879, 0.4248, 0.2594



26.4049, 0.4617, 0.2544



30.3843, 0.5156, 0.3369



17.3525, 0.3224, 0.3186



11.4089, 0.5211, 0.2644



1.0776, 0.4913, 0.2480

Inverse Universe

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



30.7879, 0.4248, 0.2594



26.4049, 0.4617, 0.2544



73.9382, 0.2341, 0.3191



17.3525, 0.3224, 0.3186



11.4089, 0.5211, 0.2644



1.0776, 0.4913, 0.2480

Previews

White Background



This preview shows how the Yxy color 30.7863, 0.4248, 0.2594 looks on a white background.

Color Contrast Check

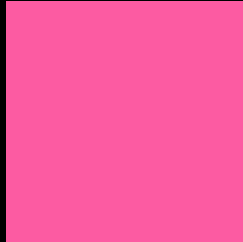
Large Text (above 18pt) WCAG AA × Fail

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 30.7863, 0.4248, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

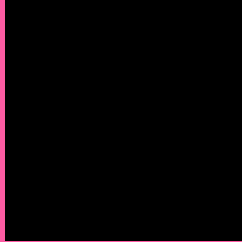
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7863, 0.4248, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 30.7863, 0.4248, 0.2594.



This preview shows how white text looks on a background with the Yxy color 30.7863, 0.4248, 0.2594.

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

30.7863, 0.4248, 0.2594

Protanopia

30.9834, 0.2593, 0.2551

Deuteranopia

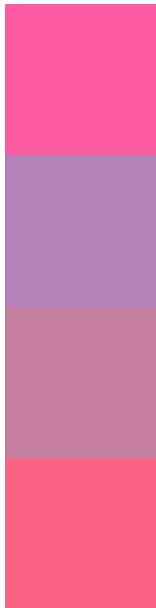
30.7834, 0.3237, 0.3172



Tritanopia

30.7827, 0.4861, 0.3226

Trichromacy



Original Color

30.7863, 0.4248, 0.2594

Protanomaly

28.5672, 0.3089, 0.2509

Deuteranomaly

29.0918, 0.3595, 0.2880

Tritanomaly

30.6484, 0.4641, 0.2995

Monochromacy



Original Color

30.7863, 0.4248, 0.2594

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

27.7600, 0.3526, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7863, 0.4248, 0.2594 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(252, 91, 162)` looks like.

```
.text, #text, p{  
    color:rgb(252, 91, 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(252, 91, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 91, 162) }
```

Border

The CSS property to change the border of an element to Yxy 30.7863, 0.4248, 0.2594 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(252, 91, 162) }
```

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

```
.border{ border-color:rgb(252, 91, 162) }
```

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

Here you see how a box with a 4 pixel rgb(252, 91, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 91, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 91, 162);  
box-shadow:4px 4px 4px 4px rgb(252, 91,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7863, 0.4248, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 91, 162) }
```

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

```
.background{ background-color: rgb(252, 91,  
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