

Converting Colors

$Y_{xy}(30.3737, 0.4398, 0.2646)$

Have a look what the booklet for
Yxy(30.3737, 0.4398, 0.2646)
contains.

Yxy(30.4095, 0.4402, 0.2652)	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(30.4095, 0.4402, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	FF579A
RGB	255, 87, 154
RGB Percent	100%, 34%, 60%
CMY	0.0001, 0.6587, 0.3961
CMYK	0.00, 0.66, 0.40, 0.00
HSL	336°, 100%, 67%
HSV	336°, 66%, 100%
XYZ	50.4761, 30.4095, 33.7807
YIQ	144.8700, 78.6210, 56.4530

Conversions

Conversions Part 2

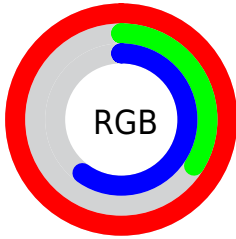
Format	Color
R _Y B	255, 87, 154
Decimal	16734106
CIE Lab	62.01, 68.67, -0.90
CIE LCh	62, 68.678, 359.248
Yxy	30.4095, 0.4402, 0.2652
Android (android.graphics.Color)	4294924186 (0xFFFF579A)
YUV	144.8700, 4.5011, 96.5840
Hunter-Lab	55.1448, 66.8843, 2.2814

Details

The Yxy color **30.4095, 0.4402, 0.2652** 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 **77.1679, 0.2624, 0.4152**, and the grayscale version is **28.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3718, 0.3603, 0.2656**, and **12.4470, 0.4815, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **26.5057, 0.4710, 0.2625**, and if you desaturate by 10%, it is **35.8391, 0.4116, 0.2718**.

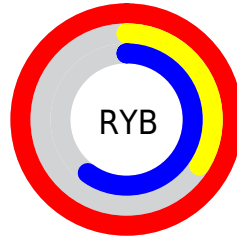
Distribution



Red (100%)

Green (34%)

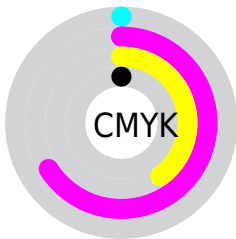
Blue (60%)



Red (100%)

Yellow (34%)

Blue (60%)

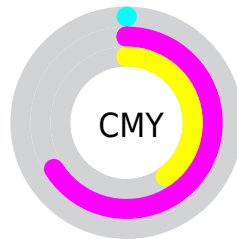


Cyan (0%)

Magenta (66%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4095, 0.4402, 0.2652 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 30.4095, 0.4402, 0.2652 by changing the saturation by 10% instead.


 30.4095, 0.4402,
0.2652


 30.4095, 0.4402,
0.2652


303.8086, 0.3727,
0.2988


 20.1496, 0.4581,
0.2563


 60.3092, 0.4149,
0.2778

 12.5038, 0.4816,
0.2447


 80.7178, 0.4056,
0.2824

 7.0878, 0.5138,
0.2288


 105.2780, 0.3979,
0.2863

 3.5171, 0.5600,
0.2061

 134.3744, 0.3913,
0.2896

 1.4073, 0.6305,
0.1718

168.3912, 0.3857,
0.2924

 0.2221, 0.8188,
0.0764

207.7130, 0.3808,


 0.0000, 1.0000,


0.2948


0.0000


252.7239, 0.3765,
0.2969


 0.0000, 0.0000,
0.0000

 30.4095, 0.4402,
0.2652


 30.4095, 0.4402,
0.2652


 26.5057, 0.4710,
0.2625


 35.8391, 0.4116,
0.2718


 23.9590, 0.5023,
0.2647

 42.9300, 0.3863,
0.2808


 22.5683, 0.5318,
0.2724

 51.8079, 0.3646,
0.2913

 22.2095, 0.5432,
0.2766

 62.5851, 0.3464,
0.3021

 75.3646, 0.3313,
0.3129

 90.2418, 0.3189,
0.3232

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



30.4095, 0.3266, 0.2115



30.4095, 0.4402, 0.2652



30.4095, 0.5156, 0.3317

Triad

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



30.4095, 0.4402, 0.2652



30.4095, 0.3690, 0.5322



30.4095, 0.1386, 0.2030

Complementary

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



30.4095, 0.4402, 0.2652



77.1679, 0.2624, 0.4152

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.



30.4095, 0.1445, 0.2739



30.4095, 0.4402, 0.2652



30.4095, 0.2701, 0.5071

Square

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



30.4095, 0.4402, 0.2652



30.4095, 0.4594, 0.4794



30.4095, 0.1881, 0.3928



30.4095, 0.1655, 0.1756

Rectangle

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



30.4095, 0.4402, 0.2652



30.4095, 0.5252, 0.3796



30.4095, 0.1881, 0.3928



30.4095, 0.1368, 0.2211

Sweetspot

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



30.4111, 0.4402, 0.2652



69.8458, 0.3372, 0.3085



24.7065, 0.2570, 0.1507



14.1877, 0.3414, 0.3055



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.



30.4111, 0.4402, 0.2652



25.5744, 0.4809, 0.2626



31.8109, 0.5186, 0.3445



18.1071, 0.3231, 0.3196



11.6342, 0.5389, 0.2743



1.1536, 0.5087, 0.2576

Inverse Universe

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



30.4111, 0.4402, 0.2652



25.5744, 0.4809, 0.2626



70.5048, 0.2302, 0.3085



18.1071, 0.3231, 0.3196



11.6342, 0.5389, 0.2743



1.1536, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 30.4095, 0.4402, 0.2652 looks on a white background.

Color Contrast Check

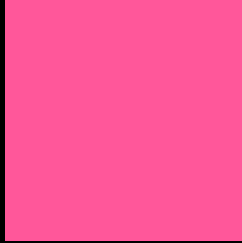
Large Text (above 18pt) WCAG AA × Fail

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 30.4095, 0.4402, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

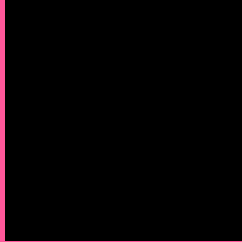
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4095, 0.4402, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 30.4095, 0.4402, 0.2652.



This preview shows how white text looks on a background with the Yxy color 30.4095, 0.4402, 0.2652.

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

30.4095, 0.4402, 0.2652

Protanopia

30.7896, 0.2667, 0.2657

Deuteranopia

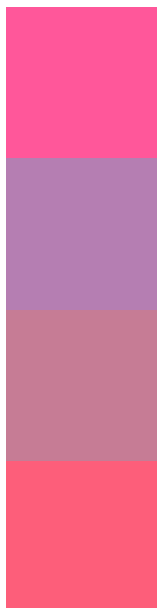
30.4331, 0.3341, 0.3276



Tritanopia

30.4303, 0.5005, 0.3240

Trichromacy



Original Color

30.4095, 0.4402, 0.2652

Protanomaly

27.9598, 0.3193, 0.2584

Deuteranomaly

28.5910, 0.3720, 0.2961

Tritanomaly

30.2932, 0.4800, 0.3028

Monochromacy



Original Color

30.4095, 0.4402, 0.2652

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

26.8677, 0.3581, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4095, 0.4402, 0.2652 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, 87, 154)` looks like.

```
.text, #text, p{  
  color:rgb(255, 87, 154)  
}
```

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, 87, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 154) }
```

Border

The CSS property to change the border of an element to Yxy 30.4095, 0.4402, 0.2652 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, 87, 154) }
```

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

```
.border{ border-color:rgb(255, 87, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4095, 0.4402, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 154) }
```

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

```
.background{ background-color: rgb(255, 87,  
154) }
```

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