

Converting Colors

$Y_{xy}(32.3891, 0.4662, 0.3017)$

Have a look what the booklet for
Yxy(32.3891, 0.4662, 0.3017)
contains.

Yxy(32.4014, 0.4656, 0.3012)	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(32.4014, 0.4656, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	FF6683
RGB	255, 102, 131
RGB Percent	100%, 40%, 51%
CMY	0.0000, 0.5999, 0.4863
CMYK	0.00, 0.60, 0.49, 0.00
HSL	349°, 100%, 70%
HSV	349°, 60%, 100%
XYZ	50.0866, 32.4014, 25.0863
YIQ	151.0530, 81.8790, 41.4550

Conversions

Conversions Part 2

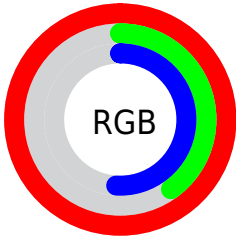
Format	Color
R _Y B	255, 102, 131
Decimal	16737923
CIE Lab	63.67, 60.44, 14.76
CIE LCh	64, 62.217, 13.722
Yxy	32.4014, 0.4656, 0.3012
Android (android.graphics.Color)	4294928003 (0xFFFF6683)
YUV	151.0530, -9.8861, 91.1615
Hunter-Lab	56.9222, 57.4506, 13.7157

Details

The Yxy color **32.4014, 0.4656, 0.3012** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.8337, 0.2507, 0.3641**, and the grayscale version is **30.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5170, 0.3811, 0.3030**, and **13.6026, 0.5150, 0.2878** is the 20% darker color. If you saturate the color by 10%, you get **27.6321, 0.5073, 0.3002**, and if you desaturate by 10%, it is **38.8268, 0.4276, 0.3044**.

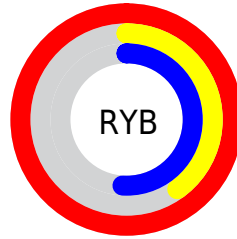
Distribution



Red (100%)

Green (40%)

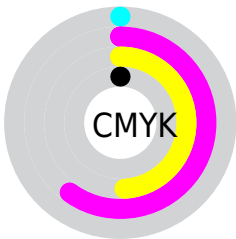
Blue (51%)



Red (100%)

Yellow (40%)

Blue (51%)

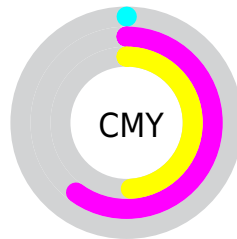


Cyan (0%)

Magenta (60%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4014, 0.4656, 0.3012 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 32.4014, 0.4656, 0.3012 by changing the saturation by 10% instead.


 32.4014, 0.4656,
0.3012


 32.4014, 0.4656,
0.3012


312.9437, 0.3843,
0.3186


 21.6683, 0.4871,
0.2956

 63.4398, 0.4351,
0.3084

 13.6134, 0.5153,
0.2878


 84.5139, 0.4239,
0.3109

 7.8522, 0.5534,
0.2761

 109.8038, 0.4146,
0.3128

 4.0005, 0.6071,
0.2576

 139.6939, 0.4067,
0.3144

 1.6739, 0.6893,
0.2271

174.5685, 0.3999,
0.3157

 0.4067, 0.8514,
0.1486

214.8121, 0.3940,

 0.0000, 1.0000,

0.3169

0.0000

260.8090, 0.3889,
0.3178

■ 0.0000, 0.0000,
0.0000

■ 32.4014, 0.4656,
0.3012

■ 32.4014, 0.4656,
0.3012

■ 27.6321, 0.5073,
0.3002

■ 38.8268, 0.4276,
0.3044

■ 24.3604, 0.5492,
0.3023

■ 47.0372, 0.3948,
0.3089

■ 22.4061, 0.5863,
0.3079

■ 57.1545, 0.3675,
0.3140

■ 21.4754, 0.6141,
0.3157

■ 69.2887, 0.3452,
0.3192

■ 21.4750, 0.6141,
0.3157

■ 83.5411, 0.3272,
0.3243

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



32.4014, 0.3754, 0.2441



32.4014, 0.4656, 0.3012



32.4014, 0.5040, 0.3666

Triad

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



32.4014, 0.4656, 0.3012



32.4014, 0.3234, 0.5082



32.4014, 0.1616, 0.1989

Complementary

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



32.4014, 0.4656, 0.3012



79.8337, 0.2507, 0.3641

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.



32.4014, 0.1526, 0.2446



32.4014, 0.4656, 0.3012



32.4014, 0.2371, 0.4424

Square

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



32.4014, 0.4656, 0.3012



32.4014, 0.4116, 0.4940



32.4014, 0.1766, 0.3322



32.4014, 0.2023, 0.1876

Rectangle

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



32.4014, 0.4656, 0.3012



32.4014, 0.4938, 0.4122



32.4014, 0.1766, 0.3322



32.4014, 0.1552, 0.2098

Sweetspot

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



32.4032, 0.4656, 0.3012



71.9613, 0.3413, 0.3203



32.6362, 0.2911, 0.1770



14.5748, 0.3471, 0.3188



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.



32.4032, 0.4656, 0.3012



26.8620, 0.5158, 0.3004



43.3696, 0.4687, 0.3749



18.0433, 0.3264, 0.3245



11.2376, 0.6107, 0.3138



1.1084, 0.5814, 0.2977

Inverse Universe

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



32.4032, 0.4656, 0.3012



26.8620, 0.5158, 0.3004



55.6955, 0.2262, 0.2717



18.0433, 0.3264, 0.3245



11.2376, 0.6107, 0.3138



1.1084, 0.5814, 0.2977

Previews

White Background



This preview shows how the Yxy color 32.4014, 0.4656, 0.3012 looks on a white background.

Color Contrast Check

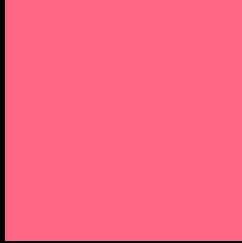
Large Text (above 18pt) WCAG AA × Fail

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 32.4014, 0.4656, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

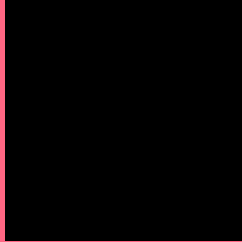
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4014, 0.4656, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 32.4014, 0.4656, 0.3012.



This preview shows how white text looks on a background with the Yxy color 32.4014, 0.4656, 0.3012.

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

32.4014, 0.4656, 0.3012

Protanopia

32.6477, 0.3110, 0.3230

Deuteranopia

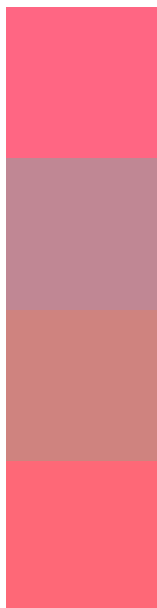
32.3383, 0.3715, 0.3635



Tritanopia

32.3438, 0.4876, 0.3228

Trichromacy



Original Color

32.4014, 0.4656, 0.3012

Protanomaly

30.6725, 0.3630, 0.3115

Deuteranomaly

31.0303, 0.4061, 0.3344

Tritanomaly

32.3034, 0.4793, 0.3150

Monochromacy



Original Color

32.4014, 0.4656, 0.3012

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.6075, 0.3649, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4014, 0.4656, 0.3012 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, 102, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 131)  
}
```

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, 102, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 131) }
```

Border

The CSS property to change the border of an element to Yxy 32.4014, 0.4656, 0.3012 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, 102, 131) }
```

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

```
.border{ border-color:rgb(255, 102, 131) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4014, 0.4656, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 131) }
```

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

```
.background{ background-color: rgb(255,  
102, 131) }
```

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