

Converting Colors

$Y_{xy}(32.5130, 0.4602, 0.2971)$

Have a look what the booklet for
Yxy(32.5130, 0.4602, 0.2971)
contains.

Yxy(32.5120, 0.4603, 0.2971)	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(32.5120, 0.4603, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	FF6687
RGB	255, 102, 135
RGB Percent	100%, 40%, 53%
CMY	0.0000, 0.6001, 0.4705
CMYK	0.00, 0.60, 0.47, 0.00
HSL	347°, 100%, 70%
HSV	347°, 60%, 100%
XYZ	50.3712, 32.5120, 26.5480
YIQ	151.5090, 80.5950, 42.6990

Conversions

Conversions Part 2

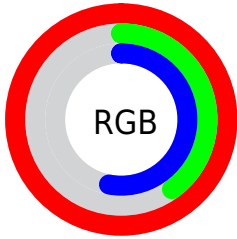
Format	Color
R _Y B	255, 102, 135
Decimal	16737927
CIE Lab	63.76, 60.81, 12.58
CIE LCh	64, 62.101, 11.686
Yxy	32.5120, 0.4603, 0.2971
Android (android.graphics.Color)	4294928007 (0xFFFF6687)
YUV	151.5090, -8.1389, 90.7616
Hunter-Lab	57.0193, 57.9041, 12.3083

Details

The Yxy color **32.5120, 0.4603, 0.2971** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6163, 0.2524, 0.3692**, and the grayscale version is **31.1832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6871, 0.3772, 0.2988**, and **13.6653, 0.5071, 0.2828** is the 20% darker color. If you saturate the color by 10%, you get **27.7345, 0.5006, 0.2957**, and if you desaturate by 10%, it is **38.9317, 0.4236, 0.3009**.

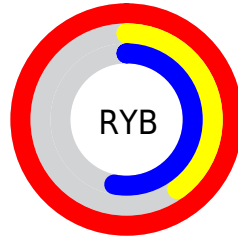
Distribution



Red (100%)

Green (40%)

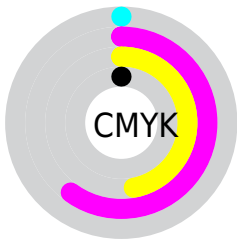
Blue (53%)



Red (100%)

Yellow (40%)

Blue (53%)

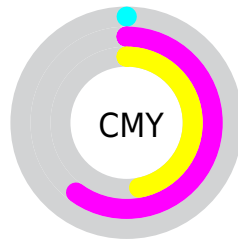


Cyan (0%)

Magenta (60%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5120, 0.4603, 0.2971 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 32.5120, 0.4603, 0.2971 by changing the saturation by 10% instead.

 32.5120, 0.4603,
0.2971

 32.5120, 0.4603,
0.2971


313.4450, 0.3819,
0.3162

 21.7529, 0.4811,
0.2913


 63.6129, 0.4309,
0.3048

 13.6754, 0.5082,
0.2831


 84.7234, 0.4201,
0.3075

 7.8953, 0.5452,
0.2713


 110.0532, 0.4111,
0.3097

 4.0280, 0.5974,
0.2528

 139.9867, 0.4035,
0.3115

 1.6892, 0.6756,
0.2219

174.9082, 0.3969,
0.3129

 0.4167, 0.8503,
0.1497

215.2022, 0.3913,

 0.0000, 1.0000,

0.3142

0.0000

261.2530, 0.3863,
0.3153

■ 0.0000, 0.0000,
0.0000

■ 32.5120, 0.4603,
0.2971

■ 32.5120, 0.4603,
0.2971

■ 27.7345, 0.5006,
0.2957

■ 38.9317, 0.4236,
0.3009

■ 24.4532, 0.5416,
0.2977

■ 47.1335, 0.3921,
0.3061

■ 22.4847, 0.5786,
0.3035

■ 57.2350, 0.3657,
0.3119

■ 21.5363, 0.6074,
0.3120

■ 69.3455, 0.3442,
0.3179

■ 83.5661, 0.3268,
0.3236

99.9907, 0.3127,
0.3290

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.



32.5120, 0.3683, 0.2410



32.5120, 0.4603, 0.2971



32.5120, 0.5030, 0.3620

Triad

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



32.5120, 0.4603, 0.2971



32.5120, 0.3296, 0.5091



32.5120, 0.1604, 0.2011

Complementary

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



32.5120, 0.4603, 0.2971



79.6163, 0.2524, 0.3692

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.



32.5120, 0.1535, 0.2494



32.5120, 0.4603, 0.2971



32.5120, 0.2426, 0.4487

Square

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



32.5120, 0.4603, 0.2971



32.5120, 0.4169, 0.4905



32.5120, 0.1799, 0.3395



32.5120, 0.1988, 0.1878

Rectangle

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



32.5120, 0.4603, 0.2971



32.5120, 0.4956, 0.4074



32.5120, 0.1799, 0.3395



32.5120, 0.1546, 0.2128

Sweetspot

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



32.5098, 0.4603, 0.2971



72.0249, 0.3404, 0.3190



32.2256, 0.2887, 0.1760



14.5900, 0.3460, 0.3173



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.



32.5098, 0.4603, 0.2971



26.9659, 0.5089, 0.2958



42.5740, 0.4707, 0.3724



18.0512, 0.3260, 0.3239



11.2709, 0.6037, 0.3099



1.1127, 0.5732, 0.2932

Inverse Universe

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



32.5098, 0.4603, 0.2971



26.9659, 0.5089, 0.2958



56.9543, 0.2269, 0.2751



18.0512, 0.3260, 0.3239



11.2709, 0.6037, 0.3099



1.1127, 0.5732, 0.2932

Previews

White Background



This preview shows how the Yxy color 32.5120, 0.4603, 0.2971 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 32.5120, 0.4603, 0.2971 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 32.5120, 0.4603, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 32.5120, 0.4603, 0.2971.



This preview shows how white text looks on a background with the Yxy color 32.5120, 0.4603, 0.2971.

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

32.5120, 0.4603, 0.2971

Protanopia

32.7241, 0.3055, 0.3156

Deuteranopia

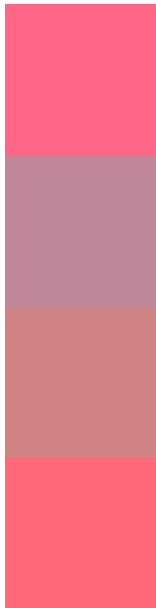
32.6371, 0.3658, 0.3593



Tritanopia

32.5712, 0.4857, 0.3228

Trichromacy



Original Color

32.5120, 0.4603, 0.2971

Protanomaly

30.7042, 0.3562, 0.3047

Deuteranomaly

31.4066, 0.4008, 0.3305

Tritanomaly

32.5545, 0.4761, 0.3139

Monochromacy



Original Color

32.5120, 0.4603, 0.2971

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.9443, 0.3623, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5120, 0.4603, 0.2971 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 135) }
```

Border

The CSS property to change the border of an element to Yxy 32.5120, 0.4603, 0.2971 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, 135) }
```

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

```
.border{ border-color:rgb(255, 102, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5120, 0.4603, 0.2971 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, 135) }
```

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

```
.background{ background-color: rgb(255,  
102, 135) }
```

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](#).

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