

Converting Colors

$Y_{xy}(32.8529, 0.4450, 0.2854)$

Have a look what the booklet for
Yxy(32.8529, 0.4450, 0.2854)
contains.

Yxy(32.8381, 0.4456, 0.2859)	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(32.8381, 0.4456, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	FF6692
RGB	255, 102, 146
RGB Percent	100%, 40%, 57%
CMY	0.0000, 0.6000, 0.4274
CMYK	0.00, 0.60, 0.43, 0.00
HSL	343°, 100%, 70%
HSV	343°, 60%, 100%
XYZ	51.1810, 32.8381, 30.8396
YIQ	152.7630, 77.0640, 46.1200

Conversions

Conversions Part 2

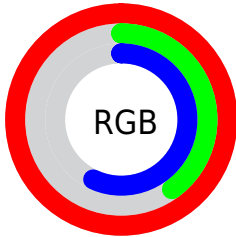
Format	Color
RYB	255, 102, 146
Decimal	16737938
CIELab	64.03, 61.83, 6.64
CIElCh	64, 62.181, 6.128
Yxy	32.8381, 0.4456, 0.2859
Android (android.graphics.Color)	4294928018 (0xFFFF6692)
YUV	152.7630, -3.3342, 89.6618
Hunter-Lab	57.3045, 59.1427, 8.2051

Details

The Yxy color **32.8381, 0.4456, 0.2859** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.0479, 0.2571, 0.3835**, and the grayscale version is **31.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2264, 0.3656, 0.2866**, and **13.8997, 0.4886, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **28.0532, 0.4820, 0.2832**, and if you desaturate by 10%, it is **39.2563, 0.4128, 0.2914**.

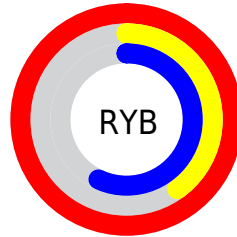
Distribution



Red (100%)

Green (40%)

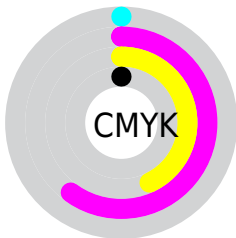
Blue (57%)



Red (100%)

Yellow (40%)

Blue (57%)

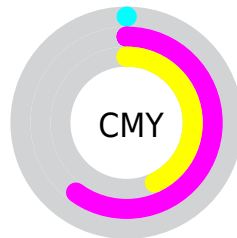


Cyan (0%)

Magenta (60%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8381, 0.4456, 0.2859 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 32.8381, 0.4456, 0.2859 by changing the saturation by 10% instead.

 32.8381, 0.4456,
0.2859


 32.8381, 0.4456,
0.2859


314.9196, 0.3754,
0.3098


 22.0024, 0.4642,
0.2792


 64.1227, 0.4193,
0.2951


 13.8587, 0.4885,
0.2703


 85.3404, 0.4096,
0.2984

 8.0225, 0.5217,
0.2577


 110.7876, 0.4016,
0.3011

 4.1093, 0.5691,
0.2389

 140.8487, 0.3947,
0.3034

 1.7349, 0.6405,
0.2089

175.9080, 0.3889,
0.3053

 0.4461, 0.8409,
0.1517

216.3500, 0.3838,

 0.0000, 1.0000,

0.3070

0.0000

262.5591, 0.3793,
0.3085

0.0000, 0.0000,
0.0000

32.8381, 0.4456,
0.2859

32.8381, 0.4456,
0.2859

28.0532, 0.4820,
0.2832

39.2563, 0.4128,
0.2914

24.7470, 0.5196,
0.2844

47.4357, 0.3845,
0.2985

22.7413, 0.5552,
0.2902

57.4961, 0.3609,
0.3063

21.7458, 0.5854,
0.2998

69.5454, 0.3414,
0.3142

21.7457, 0.5854,
0.2998

83.6836, 0.3256,
0.3218

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.



32.8381, 0.3492, 0.2324



32.8381, 0.4456, 0.2859



32.8381, 0.4996, 0.3496

Triad

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



32.8381, 0.4456, 0.2859



32.8381, 0.3464, 0.5106



32.8381, 0.1570, 0.2073

Complementary

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



32.8381, 0.4456, 0.2859



79.0479, 0.2571, 0.3835

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.



32.8381, 0.1560, 0.2631



32.8381, 0.4456, 0.2859



32.8381, 0.2577, 0.4654

Square

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



32.8381, 0.4456, 0.2859



32.8381, 0.4311, 0.4808



32.8381, 0.1891, 0.3598



32.8381, 0.1894, 0.1882

Rectangle

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



32.8381, 0.4456, 0.2859



32.8381, 0.5000, 0.3947



32.8381, 0.1891, 0.3598



32.8381, 0.1532, 0.2214

Sweetspot

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



32.8394, 0.4456, 0.2859



72.2002, 0.3380, 0.3157



30.2939, 0.2771, 0.1709



14.6322, 0.3430, 0.3135



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.



32.8394, 0.4456, 0.2859



27.2781, 0.4895, 0.2831



38.8863, 0.4803, 0.3594



18.0730, 0.3249, 0.3222



11.3847, 0.5812, 0.2975



1.1264, 0.5492, 0.2799

Inverse Universe

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



32.8394, 0.4456, 0.2859



27.2781, 0.4895, 0.2831



63.5722, 0.2306, 0.2915



18.0730, 0.3249, 0.3222



11.3847, 0.5812, 0.2975



1.1264, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 32.8381, 0.4456, 0.2859 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 32.8381, 0.4456, 0.2859 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 32.8381, 0.4456, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 32.8381, 0.4456, 0.2859.



This preview shows how white text looks on a background with the Yxy color 32.8381, 0.4456, 0.2859.

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

32.8381, 0.4456, 0.2859

Protanopia

32.9212, 0.2914, 0.2966

Deuteranopia

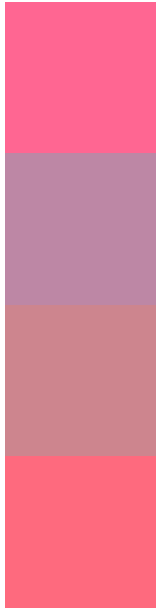
33.0239, 0.3520, 0.3449



Tritanopia

32.8456, 0.4810, 0.3227

Trichromacy



Original Color

32.8381, 0.4456, 0.2859

Protanomaly

30.8634, 0.3408, 0.2886

Deuteranomaly

31.7072, 0.3851, 0.3176

Tritanomaly

32.8853, 0.4691, 0.3098

Monochromacy



Original Color

32.8381, 0.4456, 0.2859

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.1994, 0.3588, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8381, 0.4456, 0.2859 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 146) }
```

Border

The CSS property to change the border of an element to Yxy 32.8381, 0.4456, 0.2859 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, 146) }
```

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

```
.border{ border-color:rgb(255, 102, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8381, 0.4456, 0.2859 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, 146) }
```

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

```
.background{ background-color: rgb(255,  
102, 146) }
```

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