

Converting Colors

$Y_{xy}(32.0392, 0.3835, 0.2249)$

Have a look what the booklet for
Yxy(32.0392, 0.3835, 0.2249)
contains.

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Color

Yxy(32.0619, 0.3840, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	FF57C4
RGB	255, 87, 196
RGB Percent	100%, 34%, 77%
CMY	0.0002, 0.6586, 0.2315
CMYK	0.00, 0.66, 0.23, 0.00
HSL	321°, 100%, 67%
HSV	321°, 66%, 100%
XYZ	54.5976, 32.0619, 55.5218
YIQ	149.6580, 65.1390, 69.5150

Conversions

Conversions Part 2

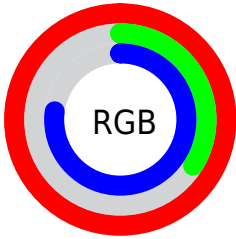
Format	Color
R_YB	255, 87, 196
Decimal	16734148
CIE _{Lab}	63.39, 73.42, -22.90
CIE _{LCh}	63, 76.910, 342.680
Yxy	32.0619, 0.3840, 0.2255
Android (android.graphics.Color)	4294924228 (0xFFFF57C4)
YUV	149.6580, 22.8466, 92.3849
Hunter-Lab	56.6232, 73.0239, -18.5005

Details

The Yxy color **32.0619, 0.3840, 0.2255** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.5980, 0.2806, 0.4727**, and the grayscale version is **30.2381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2193, 0.3193, 0.2264**, and **13.4223, 0.4031, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **28.2393, 0.3996, 0.2174**, and if you desaturate by 10%, it is **37.3693, 0.3692, 0.2375**.

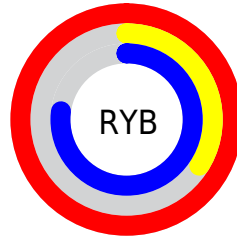
Distribution



Red (100%)

Green (34%)

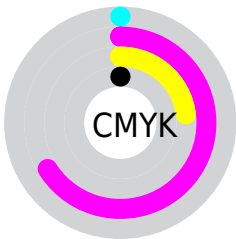
Blue (77%)



Red (100%)

Yellow (34%)

Blue (77%)

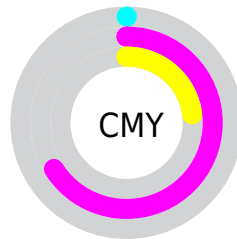


Cyan (0%)

Magenta (66%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0619, 0.3840, 0.2255 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 32.0619, 0.3840, 0.2255 by changing the saturation by 10% instead.


 32.0619, 0.3840,
0.2255


 32.0619, 0.3840,
0.2255


311.4011, 0.3488,
0.2753


 21.4088, 0.3926,
0.2138


 62.9081, 0.3713,
0.2431

 13.4231, 0.4034,
0.1992


 83.8700, 0.3666,
0.2498

 7.7206, 0.4176,
0.1806

 109.0369, 0.3625,
0.2556

 3.9167, 0.4367,
0.1563

 138.7933, 0.3590,
0.2606

 1.6271, 0.4637,
0.1238

173.5235, 0.3559,
0.2650

 0.3757, 0.5117,
0.0653

213.6120, 0.3533,

 0.0000, 0.5828,

0.2688

0.0000

259.4430, 0.3509,
0.2722

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

32.0619, 0.3840,
0.2255

32.0619, 0.3840,
0.2255

28.2393, 0.3996,
0.2174

37.3693, 0.3692,
0.2375

25.7350, 0.4154,
0.2142


44.2950, 0.3557,
0.2523


24.3501, 0.4308,
0.2163

52.9629, 0.3437,
0.2688

23.9825, 0.4372,
0.2182

63.4835, 0.3332,
0.2860

 75.9581, 0.3242,
0.3031

 90.4806, 0.3166,
0.3197

99.9916, 0.3127,
0.3290

Harmonies

Analogous

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



32.0619, 0.2632, 0.1809



32.0619, 0.3840, 0.2255



32.0619, 0.4984, 0.2893

Triad

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



32.0619, 0.3840, 0.2255



32.0619, 0.4260, 0.5216



32.0619, 0.1251, 0.2262

Complementary

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



32.0619, 0.3840, 0.2255



75.5980, 0.2806, 0.4727

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.



32.0619, 0.1510, 0.3338



32.0619, 0.3840, 0.2255



32.0619, 0.3218, 0.5558

Square

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



32.0619, 0.3840, 0.2255



32.0619, 0.5101, 0.4419



32.0619, 0.2204, 0.4786



32.0619, 0.1350, 0.1748

Rectangle

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



32.0619, 0.3840, 0.2255



32.0619, 0.5388, 0.3371



32.0619, 0.2204, 0.4786



32.0619, 0.1293, 0.2553

Sweetspot

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



32.0635, 0.3840, 0.2255



70.5651, 0.3278, 0.2960



20.1399, 0.2217, 0.1342



14.3599, 0.3303, 0.2912



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.



32.0635, 0.3840, 0.2255



27.3271, 0.4046, 0.2159



29.2545, 0.4988, 0.3067



18.1856, 0.3192, 0.3137



12.5657, 0.4347, 0.2169



1.2442, 0.4183, 0.2078

Inverse Universe

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



32.0635, 0.3840, 0.2255



27.3271, 0.4046, 0.2159



79.2216, 0.2448, 0.3596



18.1856, 0.3192, 0.3137



12.5657, 0.4347, 0.2169



1.2442, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 32.0619, 0.3840, 0.2255 looks on a white background.

Color Contrast Check

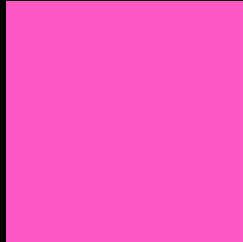
Large Text (above 18pt) WCAG AA × Fail

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 32.0619, 0.3840, 0.2255 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 32.0619, 0.3840, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 32.0619, 0.3840, 0.2255.



This preview shows how white text looks on a background with the Yxy color 32.0619, 0.3840, 0.2255.

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

32.0619, 0.3840, 0.2255

Protanopia

32.5164, 0.2215, 0.2066

Deuteranopia

32.0759, 0.2821, 0.2756



Tritanopia

31.9194, 0.4765, 0.3225

Trichromacy



Original Color

32.0619, 0.3840, 0.2255



Protanomaly

29.3092, 0.2632, 0.2044



Deuteranomaly

29.7153, 0.3155, 0.2475



Tritanomaly

31.6372, 0.4452, 0.2853

Monochromacy



Original Color

32.0619, 0.3840, 0.2255



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.6601, 0.3388, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0619, 0.3840, 0.2255 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 196) }
```

Border

The CSS property to change the border of an element to Yxy 32.0619, 0.3840, 0.2255 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, 196) }
```

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

```
.border{ border-color:rgb(255, 87, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0619, 0.3840, 0.2255 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, 196) }
```

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

```
.background{ background-color: rgb(255, 87,  
196) }
```

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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