

Converting Colors

$Y_{xy}(30.1896, 0.3451, 0.2730)$

Have a look what the booklet for
Yxy(30.1896, 0.3451, 0.2730)
contains.

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Color

Yxy(30.3844, 0.3452, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	C680AB
RGB	198, 128, 171
RGB Percent	78%, 50%, 67%
CMY	0.2237, 0.4979, 0.3295
CMYK	0.00, 0.35, 0.14, 0.22
HSL	323°, 38%, 64%
HSV	323°, 35%, 78%
XYZ	38.3499, 30.3844, 42.3604
YIQ	153.8320, 27.9170, 28.2130

Conversions

Conversions Part 2

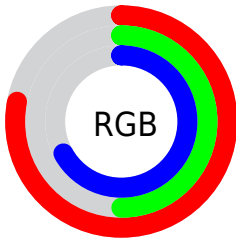
Format	Color
RYB	198, 128, 171
Decimal	13009067
CIELab	61.98, 33.33, -11.55
CIELCh	62, 35.273, 340.891
Yxy	30.3844, 0.3452, 0.2735
Android (android.graphics.Color)	4291199147 (0xFFC680AB)
YUV	153.8320, 8.4638, 38.7353
Hunter-Lab	55.1220, 27.7237, -6.9780

Details

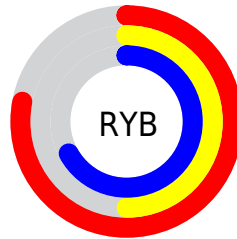
The Yxy color **30.3844, 0.3452, 0.2735** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.3305, 0.2902, 0.3923**, and the grayscale version is **32.1912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2069, 0.3387, 0.2844**, and **12.4793, 0.3552, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **25.4313, 0.3581, 0.2579**, and if you desaturate by 10%, it is **36.3646, 0.3340, 0.2896**.

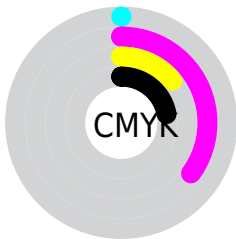
Distribution



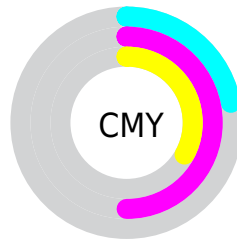
- Red (78%)
- Green (50%)
- Blue (67%)



- Red (78%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (35%)
- Yellow (14%)
- Black (22%)



- Cyan (22%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3844, 0.3452, 0.2735 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 30.3844, 0.3452, 0.2735 by changing the saturation by 10% instead.

 30.3844, 0.3452,
0.2735


 30.3844, 0.3452,
0.2735


303.6921, 0.3284,
0.3019


 20.1305, 0.3496,
0.2662


 60.2696, 0.3390,
0.2840

 12.4900, 0.3552,
0.2567


 80.6696, 0.3367,
0.2879

 7.0783, 0.3630,
0.2439


 105.2206, 0.3348,
0.2911

 3.5111, 0.3741,
0.2258

134.3068, 0.3331,
0.2939

 1.4040, 0.3914,
0.1981

168.3127, 0.3317,
0.2963

 0.2197, 0.4495,
0.0953

207.6226, 0.3305,

 0.0000, 0.0000,

0.2984

0.0000

252.6209, 0.3294,
0.3003

■ 30.3844, 0.3452,
0.2735

■ 30.3844, 0.3452,
0.2735

■ 25.4313, 0.3581,
0.2579

■ 36.3646, 0.3340,
0.2896

■ 21.4421, 0.3727,
0.2438

■ 43.4222, 0.3245,
0.3056

■ 18.3529, 0.3888,
0.2322


■ 51.6089, 0.3165,
0.3211


■ 16.0903, 0.4060,
0.2242


■ 60.9721, 0.3097,
0.3357


■ 14.5694, 0.4236,
0.2209


■ 71.5563, 0.3041,
0.3494


 13.6862, 0.4409,
0.2228

 83.4038, 0.2994,
0.3621

 13.3957, 0.4490,
0.2247

 88.9273, 0.2953,
0.3620

 89.3523, 0.2913,
0.3535

 89.7961, 0.2873,
0.3452

Harmonies

Analogous

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



30.3844, 0.2876, 0.2479



30.3844, 0.3452, 0.2735



30.3844, 0.3973, 0.3115

Triad

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



30.3844, 0.3452, 0.2735



30.3844, 0.3824, 0.4272



30.3844, 0.2123, 0.2863

Complementary

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



30.3844, 0.3452, 0.2735



47.3305, 0.2902, 0.3923

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.



30.3844, 0.2329, 0.3396



30.3844, 0.3452, 0.2735



30.3844, 0.3297, 0.4294

Square

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



30.3844, 0.3452, 0.2735



30.3844, 0.4182, 0.3976



30.3844, 0.2750, 0.3958



30.3844, 0.2155, 0.2518

Rectangle

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



30.3844, 0.3452, 0.2735



30.3844, 0.4192, 0.3405



30.3844, 0.2750, 0.3958



30.3844, 0.2166, 0.3024

Sweetspot

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



30.3858, 0.3452, 0.2735



82.7132, 0.3210, 0.3122



26.4733, 0.2737, 0.2307



17.2861, 0.3221, 0.3100



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.



30.3858, 0.3452, 0.2735



47.2468, 0.3544, 0.2620



29.2292, 0.3862, 0.3183



10.7446, 0.3195, 0.3149



8.7322, 0.4468, 0.2235



0.4273, 0.4139, 0.2054

Inverse Universe

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



30.3858, 0.3452, 0.2735



47.2468, 0.3544, 0.2620



48.6727, 0.2683, 0.3403



10.7446, 0.3195, 0.3149



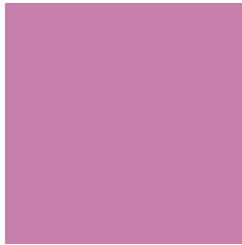
8.7322, 0.4468, 0.2235



0.4273, 0.4139, 0.2054

Previews

White Background



This preview shows how the Yxy color 30.3844, 0.3452, 0.2735 looks on a white background.

Color Contrast Check

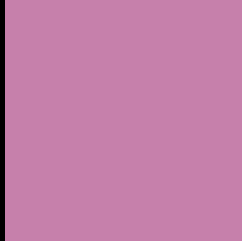
Large Text (above 18pt) WCAG AA × Fail

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 30.3844, 0.3452, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

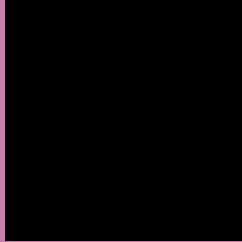
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3844, 0.3452, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 30.3844, 0.3452, 0.2735.



This preview shows how white text looks on a background with the Yxy color 30.3844, 0.3452, 0.2735.

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

30.3844, 0.3452, 0.2735

Protanopia

30.7485, 0.2747, 0.2755

Deuteranopia

30.5530, 0.3031, 0.2963



Tritanopia

30.3603, 0.3728, 0.3157

Trichromacy



Original Color

30.3844, 0.3452, 0.2735

Protanomaly

30.0264, 0.2971, 0.2731

Deuteranomaly

30.1005, 0.3179, 0.2864

Tritanomaly

30.2683, 0.3629, 0.2998

Monochromacy



Original Color

30.3844, 0.3452, 0.2735

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.3349, 0.3242, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3844, 0.3452, 0.2735 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(198, 128, 171)` looks like.

```
.text, #text, p{  
    color:rgb(198, 128, 171)  
}
```

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(198, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 128, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.3844, 0.3452, 0.2735 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(198, 128, 171) }
```

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

```
.border{ border-color:rgb(198, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(198, 128,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3844, 0.3452, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 128, 171) }
```

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

```
.background{ background-color: rgb(198,  
128, 171) }
```

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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