

Converting Colors

Yxy(51.5171, 0.3333, 0.2743)

Have a look what the booklet for
Yxy(51.5171, 0.3333, 0.2743)
contains.

Yxy(51.6450, 0.3336, 0.2746)	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(51.6450, 0.3336, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	F0A8DB
RGB	240, 168, 219
RGB Percent	94%, 66%, 86%
CMY	0.0586, 0.3413, 0.1411
CMYK	0.00, 0.30, 0.09, 0.06
HSL	318°, 71%, 80%
HSV	318°, 30%, 94%
XYZ	62.7413, 51.6450, 73.6872
YIQ	195.3420, 26.5410, 31.1250

Conversions

Conversions Part 2

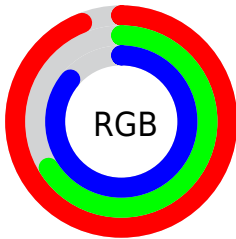
Format	Color
R _Y B	240, 168, 219
Decimal	15771867
CIE Lab	77.07, 34.20, -15.13
CIE LCh	77, 37.396, 336.133
Yxy	51.6450, 0.3336, 0.2746
Android (android.graphics.Color)	4293961947 (0xFFFF0A8DB)
YUV	195.3420, 11.6634, 39.1651
Hunter-Lab	71.8645, 30.0768, -10.4887

Details

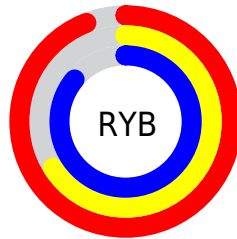
The Yxy color **51.6450, 0.3336, 0.2746** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **74.3558, 0.2968, 0.3905**, and the grayscale version is **54.7075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **25.0091, 0.3384, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **43.2268, 0.3428, 0.2564**, and if you desaturate by 10%, it is **61.7195, 0.3255, 0.2932**.

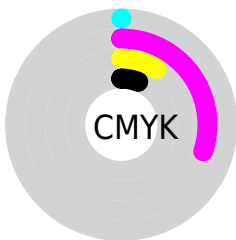
Distribution



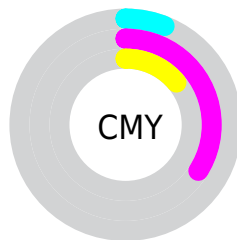
- Red (94%)
- Green (66%)
- Blue (86%)



- Red (94%)
- Yellow (66%)
- Blue (86%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (6%)





- Cyan (6%)
- Magenta (34%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6450, 0.3336, 0.2746 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 51.6450, 0.3336, 0.2746 by changing the saturation by 10% instead.


 51.6450, 0.3336,
0.2746

 51.6450, 0.3336,
0.2746


393.0646, 0.3239,
0.3001

 36.7222, 0.3358,
0.2687

 92.6075, 0.3302,
0.2835

 24.9925, 0.3385,
0.2614


 119.4159, 0.3289,
0.2869

 16.0714, 0.3420,
0.2522


150.9551, 0.3278,
0.2899

 9.5747, 0.3465,
0.2400

187.6093, 0.3268,
0.2925

 5.1179, 0.3525,
0.2233

229.7629, 0.3260,
0.2947

 2.3166, 0.3611,
0.1993

277.8004, 0.3252,

 0.7825, 0.3741,

0.2967

0.1614

332.1062, 0.3245,
0.2985

0.0000, 0.4276,
0.0000

0.0000, 0.0000,
0.0000

51.6450, 0.3336,
0.2746

51.6450, 0.3336,
0.2746

43.2268, 0.3428,
0.2564

61.7195, 0.3255,
0.2932

36.3675, 0.3532,
0.2393

73.5267, 0.3186,
0.3114

30.9704, 0.3646,
0.2244

87.1468, 0.3127,
0.3290

26.9249, 0.3767,
0.2128

96.7755, 0.3080,
0.3368

■ 24.1047, 0.3891,
0.2054

■ 97.2166, 0.3041,
0.3299

■ 22.3595, 0.4015,
0.2030

■ 97.2767, 0.3036,
0.3290

■ 21.4374, 0.4134,
0.2051

Harmonies

Analogous

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



51.6450, 0.2831, 0.2536



51.6450, 0.3336, 0.2746



51.6450, 0.3816, 0.3077

Triad

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



51.6450, 0.3336, 0.2746



51.6450, 0.3817, 0.4139



51.6450, 0.2241, 0.2982

Complementary

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



51.6450, 0.3336, 0.2746



74.3558, 0.2968, 0.3905

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.



51.6450, 0.2463, 0.3470



51.6450, 0.3336, 0.2746



51.6450, 0.3364, 0.4193

Square

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



51.6450, 0.3336, 0.2746



51.6450, 0.4097, 0.3857



51.6450, 0.2868, 0.3942



51.6450, 0.2234, 0.2638

Rectangle

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



51.6450, 0.3336, 0.2746



51.6450, 0.4037, 0.3337



51.6450, 0.2868, 0.3942



51.6450, 0.2292, 0.3134

Sweetspot

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



51.6473, 0.3336, 0.2746



85.7972, 0.3180, 0.3132



45.0329, 0.2747, 0.2446



17.9072, 0.3189, 0.3106



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.



51.6473, 0.3336, 0.2746



53.1375, 0.3391, 0.2634



49.9759, 0.3655, 0.3119



15.9481, 0.3183, 0.3124



11.7523, 0.4116, 0.2041



0.9949, 0.3968, 0.1959

Inverse Universe

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



51.6473, 0.3336, 0.2746



53.1375, 0.3391, 0.2634



76.0866, 0.2775, 0.3470



15.9481, 0.3183, 0.3124



11.7523, 0.4116, 0.2041



0.9949, 0.3968, 0.1959

Previews

White Background



This preview shows how the Yxy color 51.6450, 0.3336, 0.2746 looks on a white background.

Color Contrast Check

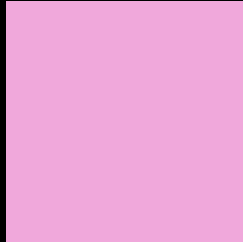
Large Text (above 18pt) WCAG AA × Fail

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 51.6450, 0.3336, 0.2746 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 51.6450, 0.3336, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 51.6450, 0.3336, 0.2746.



This preview shows how white text looks on a background with the Yxy color 51.6450, 0.3336, 0.2746.

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

51.6450, 0.3336, 0.2746

Protanopia

52.1021, 0.2757, 0.2764

Deuteranopia

51.9460, 0.2991, 0.2933



Tritanopia

51.6928, 0.3573, 0.3146

Trichromacy



Original Color

51.6450, 0.3336, 0.2746



Protanomaly

51.2057, 0.2943, 0.2746



Deuteranomaly

51.3961, 0.3114, 0.2854



Tritanomaly

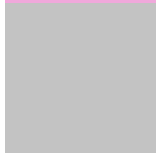
51.6331, 0.3478, 0.2994

Monochromacy



Original Color

51.6450, 0.3336, 0.2746



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.9064, 0.3196, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6450, 0.3336, 0.2746 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(240, 168, 219)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 219)  
}
```

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(240, 168, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 219) }
```

Border

The CSS property to change the border of an element to Yxy 51.6450, 0.3336, 0.2746 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(240, 168, 219) }
```

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

```
.border{ border-color:rgb(240, 168, 219) }
```

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

Here you see how a box with a 4 pixel rgb(240, 168, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6450, 0.3336, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 219) }
```

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

```
.background{ background-color: rgb(240,  
168, 219) }
```

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