

Converting Colors

$Y_{xy}(34.6770, 0.3462, 0.2965)$

Have a look what the booklet for
Yxy(34.6770, 0.3462, 0.2965)
contains.

Yxy(34.6142, 0.3467, 0.2967)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6142, 0.3467, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	C78FA8
RGB	199, 143, 168
RGB Percent	78%, 56%, 66%
CMY	0.2196, 0.4392, 0.3411
CMYK	0.00, 0.28, 0.16, 0.22
HSL	333°, 33%, 67%
HSV	333°, 28%, 78%
XYZ	40.4474, 34.6142, 41.6024
YIQ	162.5940, 25.3510, 19.6470

Conversions

Conversions Part 2

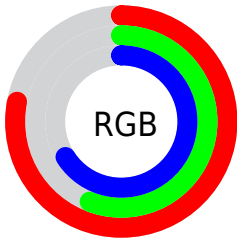
Format	Color
R_{YB}	199, 143, 168
Decimal	13078440
CIE _{Lab}	65.45, 25.02, -4.70
CIE _{LCh}	65, 25.459, 349.359
Yxy	34.6142, 0.3467, 0.2967
Android (android.graphics.Color)	4291268520 (0xFFC78FA8)
YUV	162.5940, 2.6652, 31.9281
Hunter-Lab	58.8338, 19.7569, -0.7413

Details

The Yxy color $34.6142, 0.3467, 0.2967$ is a light color, and the websafe version is hex $CC9999$. A complement of this color would be $49.7488, 0.2882, 0.3639$, and the grayscale version is $36.4043, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.5202, 0.3391, 0.3027$, and $14.8445, 0.3572, 0.2869$ is the 20% darker color. If you saturate the color by 10%, you get $28.7681, 0.3637, 0.2848$, and if you desaturate by 10%, it is $41.5582, 0.3325, 0.3086$.

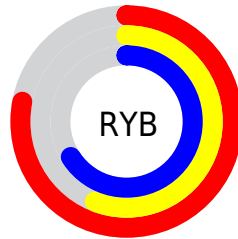
Distribution



Red (78%)

Green (56%)

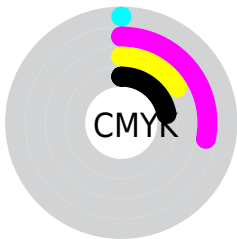
Blue (66%)



Red (78%)

Yellow (56%)

Blue (66%)

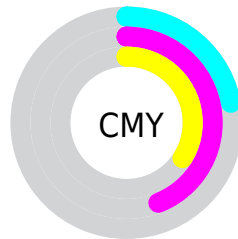


Cyan (0%)

Magenta (28%)

Yellow (16%)

Black (22%)



Cyan (22%)


Magenta (44%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6142, 0.3467, 0.2967 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 34.6142, 0.3467, 0.2967 by changing the saturation by 10% instead.


 34.6142, 0.3467,
0.2967


 34.6142, 0.3467,
0.2967


322.8621, 0.3291,
0.3133

 23.3658, 0.3513,
0.2924

 66.8877, 0.3401,
0.3028

 14.8639, 0.3574,
0.2868


 88.6816, 0.3377,
0.3051

 8.7239, 0.3658,
0.2792


114.7594, 0.3357,
0.3070

 4.5615, 0.3779,
0.2683

145.5057, 0.3340,
0.3086

 1.9924, 0.3972,
0.2514

181.3047, 0.3325,
0.3100

 0.6030, 0.4369,
0.2138

222.5408, 0.3312,

 0.0000, 1.0000,

0.3113

0.0000

269.5985, 0.3301,
0.3123

0.0000, 0.0000,
0.0000

34.6142, 0.3467,
0.2967

34.6142, 0.3467,
0.2967

28.7681, 0.3637,
0.2848

41.5582, 0.3325,
0.3086

23.9582, 0.3837,
0.2734

49.6480, 0.3208,
0.3201

20.1241, 0.4067,
0.2636

58.9346, 0.3111,
0.3310

17.1969, 0.4325,
0.2565

69.4642, 0.3031,
0.3410

15.0988, 0.4601,
0.2534

81.2809, 0.2965,
0.3503

■ 13.7386, 0.4880,
0.2552

■ 89.6100, 0.2908,
0.3513

■ 12.9782, 0.5148,
0.2622

■ 90.2632, 0.2850,
0.3394

■ 12.8635, 0.5197,
0.2636

■ 90.8841, 0.2800,
0.3289

Harmonies

Analogous

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



34.6142, 0.3068, 0.2749



34.6142, 0.3467, 0.2967



34.6142, 0.3784, 0.3264

Triad

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



34.6142, 0.3467, 0.2967



34.6142, 0.3529, 0.3994



34.6142, 0.2400, 0.2920

Complementary

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



34.6142, 0.3467, 0.2967



49.7488, 0.2882, 0.3639

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.



34.6142, 0.2507, 0.3262



34.6142, 0.3467, 0.2967



34.6142, 0.3147, 0.3923

Square

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



34.6142, 0.3467, 0.2967



34.6142, 0.3814, 0.3856



34.6142, 0.2774, 0.3644



34.6142, 0.2471, 0.2707

Rectangle

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



34.6142, 0.3467, 0.2967



34.6142, 0.3895, 0.3479



34.6142, 0.2774, 0.3644



34.6142, 0.2416, 0.3022

Sweetspot

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



34.6158, 0.3467, 0.2967



86.9620, 0.3207, 0.3201



32.7446, 0.2918, 0.2545



18.1219, 0.3224, 0.3184



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.



34.6158, 0.3467, 0.2967



53.8823, 0.3571, 0.2891



34.6226, 0.3727, 0.3329



10.7144, 0.3221, 0.3187



8.2872, 0.5163, 0.2618



0.4069, 0.4654, 0.2337

Inverse Universe

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



34.6158, 0.3467, 0.2967



53.8823, 0.3571, 0.2891



49.5399, 0.2718, 0.3251



10.7144, 0.3221, 0.3187



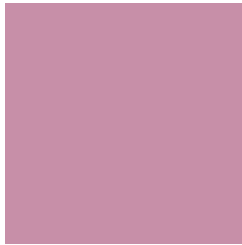
8.2872, 0.5163, 0.2618



0.4069, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 34.6142, 0.3467, 0.2967 looks on a white background.

Color Contrast Check

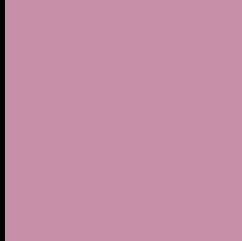
Large Text (above 18pt) WCAG AA × Fail

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 34.6142, 0.3467, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

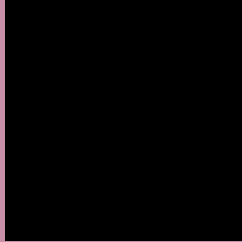
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6142, 0.3467, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 34.6142, 0.3467, 0.2967.



This preview shows how white text looks on a background with the Yxy color 34.6142, 0.3467, 0.2967.

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

34.6142, 0.3467, 0.2967

Protanopia

34.7961, 0.2953, 0.3016

Deuteranopia

34.6350, 0.3194, 0.3121



Tritanopia

34.6569, 0.3579, 0.3147

Trichromacy



Original Color

34.6142, 0.3467, 0.2967

Protanomaly

34.6091, 0.3121, 0.2997

Deuteranomaly

34.5478, 0.3290, 0.3058

Tritanomaly

34.4903, 0.3539, 0.3082

Monochromacy



Original Color

34.6142, 0.3467, 0.2967

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7237, 0.3241, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6142, 0.3467, 0.2967 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(199, 143, 168)` looks like.

```
.text, #text, p{  
    color:rgb(199, 143, 168)  
}
```

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(199, 143, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 143, 168) }
```

Border

The CSS property to change the border of an element to Yxy 34.6142, 0.3467, 0.2967 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(199, 143, 168) }
```

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

```
.border{ border-color:rgb(199, 143, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 143, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 143, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 143, 168);  
box-shadow:4px 4px 4px 4px rgb(199, 143,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6142, 0.3467, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 143, 168) }
```

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

```
.background{ background-color: rgb(199,  
143, 168) }
```

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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