

Converting Colors

$Y_{xy}(33.5026, 0.3002, 0.2564)$

Have a look what the booklet for
Yxy(33.5026, 0.3002, 0.2564)
contains.

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Color

Yxy(33.3683, 0.3005, 0.2560)

Conversions

Conversions Part 1

Format	Color
Hex	B68EC6
RGB	182, 142, 198
RGB Percent	71%, 56%, 78%
CMY	0.2860, 0.4432, 0.2235
CMYK	0.08, 0.28, 0.00, 0.22
HSL	283°, 33%, 67%
HSV	283°, 28%, 78%
XYZ	39.1686, 33.3683, 57.8080
YIQ	160.3440, 5.8640, 25.8960

Conversions

Conversions Part 2

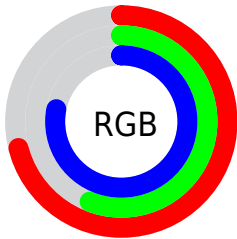
Format	Color
R _Y B	182, 142, 198
Decimal	11964102
CIE Lab	64.46, 25.28, -23.23
CIE LCh	64, 34.329, 317.423
Yxy	33.3683, 0.3005, 0.2560
Android (android.graphics.Color)	4290154182 (0xFFB68EC6)
YUV	160.3440, 18.5644, 18.9923
Hunter-Lab	57.7653, 19.9454, -18.8981

Details

The Yxy color **33.3683, 0.3005, 0.2560** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.6069, 0.3214, 0.4071**, and the grayscale version is **35.2341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8770, 0.3029, 0.2690**, and **14.0850, 0.2949, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **27.3200, 0.2947, 0.2289**, and if you desaturate by 10%, it is **40.4936, 0.3055, 0.2828**.

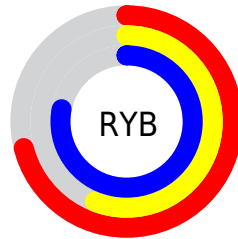
Distribution



Red (71%)

Green (56%)

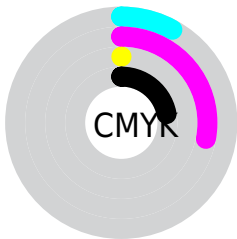
Blue (78%)



Red (71%)

Yellow (56%)

Blue (78%)

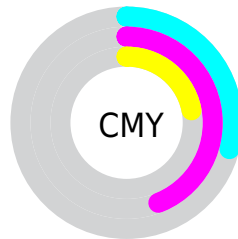


Cyan (8%)

Magenta (28%)

Yellow (0%)

Black (22%)



Cyan (29%)


Magenta (44%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3683, 0.3005, 0.2560 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 33.3683, 0.3005, 0.2560 by changing the saturation by 10% instead.


 33.3683, 0.3005,
0.2560


 33.3683, 0.3005,
0.2560


317.3061, 0.3076,
0.2924


 22.4087, 0.2984,
0.2470


 64.9501, 0.3033,
0.2692

 14.1575, 0.2955,
0.2355


 86.3411, 0.3043,
0.2741

 8.2303, 0.2914,
0.2204


 111.9781, 0.3051,
0.2783

 4.2427, 0.2850,
0.1998

142.2455, 0.3058,
0.2820

 1.8102, 0.2742,
0.1701

177.5275, 0.3063,
0.2851

 0.4935, 0.2566,
0.1140

218.2087, 0.3068,

 0.0000, 0.0343,

0.2878

0.0000

264.6734, 0.3072,
0.2903

0.0000, 0.0000,
0.0000

33.3683, 0.3005,
0.2560

33.3683, 0.3005,
0.2560

27.3200, 0.2947,
0.2289

40.4936, 0.3055,
0.2828

22.2887, 0.2883,
0.2025

48.7433, 0.3097,
0.3087

18.2150, 0.2812,
0.1778

58.1670, 0.3133,
0.3330

15.0315, 0.2736,
0.1560

68.8101, 0.3162,
0.3557

12.6616, 0.2659,
0.1382

80.7157, 0.3185,
0.3764

■ 11.0159, 0.2582,
0.1250

■ 90.1782, 0.3209,
0.3898

■ 9.9554, 0.2509,
0.1162

■ 91.0508, 0.3245,
0.3891

■ 9.7972, 0.2496,
0.1149

■ 91.9532, 0.3282,
0.3884

■ 92.8856, 0.3318,
0.3878

Harmonies

Analogous

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



33.3683, 0.2534, 0.2443



33.3683, 0.3005, 0.2560



33.3683, 0.3553, 0.2835

Triad

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



33.3683, 0.3005, 0.2560



33.3683, 0.4072, 0.4019



33.3683, 0.2310, 0.3273

Complementary

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



33.3683, 0.3005, 0.2560



49.6069, 0.3214, 0.4071

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.



33.3683, 0.2672, 0.3813



33.3683, 0.3005, 0.2560



33.3683, 0.3690, 0.4248

Square

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



33.3683, 0.3005, 0.2560



33.3683, 0.4198, 0.3636



33.3683, 0.3175, 0.4191



33.3683, 0.2162, 0.2800

Rectangle

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



33.3683, 0.3005, 0.2560



33.3683, 0.3877, 0.3080



33.3683, 0.3175, 0.4191



33.3683, 0.2409, 0.3456

Sweetspot

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



33.3697, 0.3005, 0.2560



86.5831, 0.3098, 0.3091



34.5499, 0.2663, 0.2729



18.0254, 0.3092, 0.3052



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.



33.3697, 0.3005, 0.2560



52.2123, 0.2970, 0.2391



34.9262, 0.3267, 0.2723



10.6591, 0.3093, 0.3059



6.4158, 0.2506, 0.1154



0.3391, 0.2658, 0.1238

Inverse Universe

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



33.8128, 0.3566, 0.3082



53.2255, 0.3701, 0.3034



48.4477, 0.3013, 0.3933



10.6858, 0.3246, 0.3224



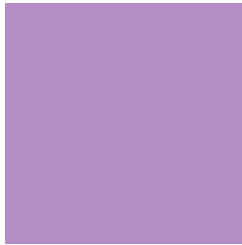
8.0085, 0.5793, 0.2965



0.3920, 0.5181, 0.2628

Previews

White Background



This preview shows how the Yxy color 33.3683, 0.3005, 0.2560 looks on a white background.

Color Contrast Check

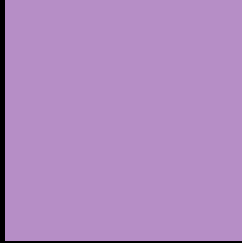
Large Text (above 18pt) WCAG AA × Fail

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 33.3683, 0.3005, 0.2560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

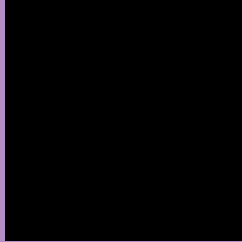
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3683, 0.3005, 0.2560

Background



This preview shows how black text looks on a background with the Yxy color 33.3683, 0.3005, 0.2560.



This preview shows how white text looks on a background with the Yxy color 33.3683, 0.3005, 0.2560.

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

33.3683, 0.3005, 0.2560

Protanopia

33.6985, 0.2595, 0.2561

Deuteranopia

33.3473, 0.2744, 0.2682



Tritanopia

33.2982, 0.3289, 0.3121

Trichromacy



Original Color

33.3683, 0.3005, 0.2560

Protanomaly

33.3404, 0.2732, 0.2550

Deuteranomaly

33.2075, 0.2829, 0.2630

Tritanomaly

33.0787, 0.3186, 0.2905

Monochromacy



Original Color

33.3683, 0.3005, 0.2560

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1633, 0.3082, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3683, 0.3005, 0.2560 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(182, 142, 198)` looks like.

```
.text, #text, p{  
    color:rgb(182, 142, 198)  
}
```

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(182, 142, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 142, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.3683, 0.3005, 0.2560 is called "border". The border property can be set on classes, ids or directly on the HTML element.

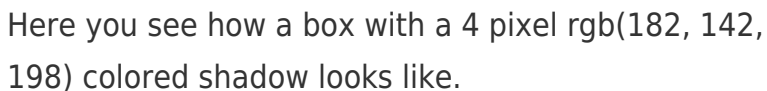
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 142, 198) }
```

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

```
.border{ border-color:rgb(182, 142, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 142, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 142, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 142, 198); box-shadow:4px 4px 4px 4px rgb(182, 142, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3683, 0.3005, 0.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 142, 198) }
```

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

```
.background{ background-color: rgb(182,  
142, 198) }
```

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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