

Converting Colors

$Y_{xy}(31.2123, 0.3339, 0.2765)$

Have a look what the booklet for
Yxy(31.2123, 0.3339, 0.2765)
contains.

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Color

Yxy(31.1826, 0.3335, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	BF86AE
RGB	191, 134, 174
RGB Percent	75%, 53%, 68%
CMY	0.2509, 0.4745, 0.3178
CMYK	0.00, 0.30, 0.09, 0.25
HSL	318°, 31%, 64%
HSV	318°, 30%, 75%
XYZ	37.6517, 31.1826, 44.0643
YIQ	155.6030, 21.1320, 24.5240

Conversions

Conversions Part 2

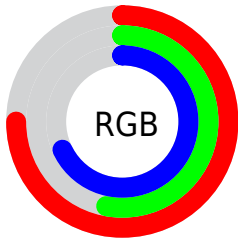
Format	Color
R _Y B	191, 134, 174
Decimal	12551854
CIE _{Lab}	62.66, 28.16, -12.31
CIE _{LCh}	63, 30.730, 336.380
Y _{xy}	31.1826, 0.3335, 0.2762
Android (android.graphics.Color)	4290741934 (0xFFBF86AE)
Y _{UV}	155.6030, 9.0697, 31.0432
Hunter-Lab	55.8414, 22.6332, -7.6967

Details

The Yxy color **31.1826, 0.3335, 0.2762** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.5731, 0.2968, 0.3885**, and the grayscale version is **33.0123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6361, 0.3292, 0.2858**, and **12.9100, 0.3395, 0.2590** is the 20% darker color. If you saturate the color by 10%, you get **26.1541, 0.3427, 0.2583**, and if you desaturate by 10%, it is **37.1771, 0.3254, 0.2944**.

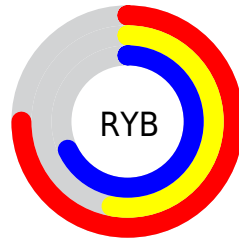
Distribution



Red (75%)

Green (53%)

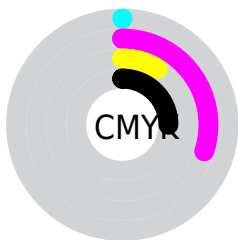
Blue (68%)



Red (75%)

Yellow (53%)

Blue (68%)

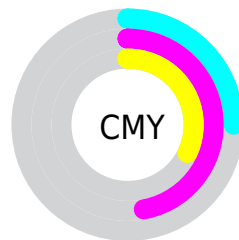


Cyan (0%)

Magenta (30%)

Yellow (9%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1826, 0.3335, 0.2762 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 31.1826, 0.3335, 0.2762 by changing the saturation by 10% instead.

 31.1826, 0.3335,
0.2762


 31.1826, 0.3335,
0.2762


307.3787, 0.3230,
0.3032

 20.7379, 0.3362,
0.2693


 61.5274, 0.3296,
0.2861

 12.9326, 0.3396,
0.2603


 82.1964, 0.3282,
0.2898

 7.3821, 0.3442,
0.2482


 107.0423, 0.3270,
0.2929

 3.7022, 0.3507,
0.2310

136.4494, 0.3259,
0.2956

 1.5084, 0.3604,
0.2048

170.8022, 0.3250,
0.2979

 0.2946, 0.3947,
0.1194

210.4851, 0.3243,

 0.0000, 0.0000,

0.2999

0.0000

255.8825, 0.3236,
0.3016

■ 31.1826, 0.3335,
0.2762

■ 31.1826, 0.3335,
0.2762

■ 26.1541, 0.3427,
0.2583

■ 37.1771, 0.3254,
0.2944

■ 22.0358, 0.3531,
0.2415

■ 44.1809, 0.3185,
0.3122

■ 18.7728, 0.3646,
0.2266

■ 52.2400, 0.3126,
0.3293

■ 16.3026, 0.3768,
0.2149

■ 61.3961, 0.3077,
0.3454

■ 14.5538, 0.3894,
0.2073

■ 71.6887, 0.3035,
0.3604

■ 13.4426, 0.4019,
0.2043

■ 83.1554, 0.3000,
0.3743

■ 12.8061, 0.4143,
0.2057

■ 87.4507, 0.2970,
0.3743

■ 12.7974, 0.4145,
0.2057

■ 87.7475, 0.2939,
0.3678

■ 88.0547, 0.2909,
0.3613

Harmonies

Analogous

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



31.1826, 0.2843, 0.2556



31.1826, 0.3335, 0.2762



31.1826, 0.3800, 0.3087

Triad

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



31.1826, 0.3335, 0.2762



31.1826, 0.3797, 0.4118



31.1826, 0.2263, 0.2988

Complementary

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



31.1826, 0.3335, 0.2762



44.5731, 0.2968, 0.3885

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.



31.1826, 0.2478, 0.3461



31.1826, 0.3335, 0.2762



31.1826, 0.3355, 0.4166

Square

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



31.1826, 0.3335, 0.2762



31.1826, 0.4069, 0.3847



31.1826, 0.2872, 0.3920



31.1826, 0.2257, 0.2654

Rectangle

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



31.1826, 0.3335, 0.2762



31.1826, 0.4013, 0.3341



31.1826, 0.2872, 0.3920



31.1826, 0.2312, 0.3136

Sweetspot

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



31.1840, 0.3335, 0.2762



80.0688, 0.3181, 0.3134



27.3117, 0.2756, 0.2465



17.1466, 0.3190, 0.3108



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.1840, 0.3335, 0.2762



49.6015, 0.3396, 0.2641



30.2155, 0.3641, 0.3123



9.6464, 0.3182, 0.3130



8.4234, 0.4129, 0.2048



0.3410, 0.3860, 0.1900

Inverse Universe

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



31.1840, 0.3335, 0.2762



49.6015, 0.3396, 0.2641



45.5784, 0.2781, 0.3466



9.6464, 0.3182, 0.3130



8.4234, 0.4129, 0.2048



0.3410, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 31.1826, 0.3335, 0.2762 looks on a white background.

Color Contrast Check

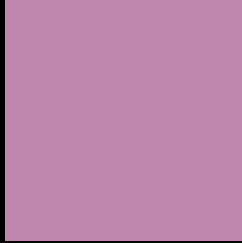
Large Text (above 18pt) WCAG AA × Fail

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 31.1826, 0.3335, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

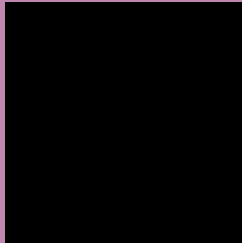
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1826, 0.3335, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 31.1826, 0.3335, 0.2762.



This preview shows how white text looks on a background with the Yxy color 31.1826, 0.3335, 0.2762.

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

31.1826, 0.3335, 0.2762

Protanopia

31.2448, 0.2765, 0.2772

Deuteranopia

31.2882, 0.3004, 0.2951



Tritanopia

31.3265, 0.3563, 0.3154

Trichromacy



Original Color

31.1826, 0.3335, 0.2762

Protanomaly

30.8598, 0.2953, 0.2760

Deuteranomaly

31.0585, 0.3116, 0.2877

Tritanomaly

31.1788, 0.3480, 0.3005

Monochromacy



Original Color

31.1826, 0.3335, 0.2762

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.2592, 0.3199, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1826, 0.3335, 0.2762 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(191, 134, 174)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 174)  
}
```

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(191, 134, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 174) }
```

Border

The CSS property to change the border of an element to Yxy 31.1826, 0.3335, 0.2762 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(191, 134, 174) }
```

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

```
.border{ border-color:rgb(191, 134, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 174);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1826, 0.3335, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 174) }
```

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

```
.background{ background-color: rgb(191,  
134, 174) }
```

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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