

Converting Colors

$Y_{xy}(30.7412, 0.2995, 0.2439)$

Have a look what the booklet for
Yxy(30.7412, 0.2995, 0.2439)
contains.

Yxy(30.6760, 0.2995, 0.2441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.6760, 0.2995, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	B585C6
RGB	181, 133, 198
RGB Percent	71%, 52%, 78%
CMY	0.2901, 0.4784, 0.2236
CMYK	0.09, 0.33, 0.00, 0.22
HSL	284°, 36%, 65%
HSV	284°, 33%, 78%
XYZ	37.6381, 30.6760, 57.3557
YIQ	154.7620, 7.7430, 30.3910

Conversions

Conversions Part 2

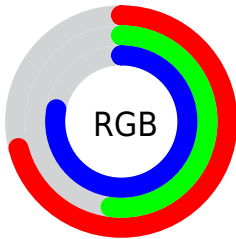
Format	Color
R_{YB}	181, 133, 198
Decimal	11896262
CIE _{Lab}	62.23, 29.96, -26.64
CIE _{LCh}	62, 40.088, 318.356
Yxy	30.6760, 0.2995, 0.2441
Android (android.graphics.Color)	4290086342 (0xFFB585C6)
YUV	154.7620, 21.3163, 23.0107
Hunter-Lab	55.3859, 24.3763, -22.6285

Details

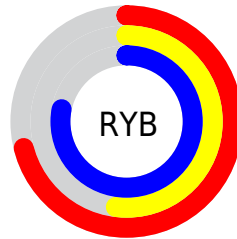
The Yxy color **30.6760, 0.2995, 0.2441** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.5573, 0.3212, 0.4216**, and the grayscale version is **32.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9378, 0.3029, 0.2597**, and **12.7122, 0.2933, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **25.1439, 0.2940, 0.2175**, and if you desaturate by 10%, it is **37.2556, 0.3043, 0.2709**.

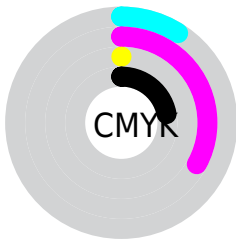
Distribution



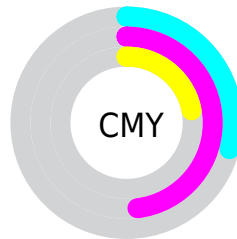
- Red (71%)
- Green (52%)
- Blue (78%)



- Red (71%)
- Yellow (52%)
- Blue (78%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)




- Cyan (29%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6760, 0.2995, 0.2441 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 30.6760, 0.2995, 0.2441 by changing the saturation by 10% instead.

 30.6760, 0.2995,
0.2441


 30.6760, 0.2995,
0.2441


305.0429, 0.3075,
0.2865

 20.3523, 0.2971,
0.2336


 60.7296, 0.3027,
0.2594

 12.6514, 0.2937,
0.2203

 81.2283, 0.3038,
0.2652

 7.1889, 0.2887,
0.2029

 105.8873, 0.3047,
0.2701

 3.5805, 0.2810,
0.1791

135.0912, 0.3055,
0.2743

 1.4418, 0.2676,
0.1455

169.2243, 0.3061,
0.2780

 0.2472, 0.2503,
0.0636

208.6710, 0.3066,

 0.0000, 0.0000,

0.2812

0.0000

253.8158, 0.3071,
0.2840

■ 30.6760, 0.2995,
0.2441

■ 30.6760, 0.2995,
0.2441

■ 25.1439, 0.2940,
0.2175

■ 37.2556, 0.3043,
0.2709

■ 20.5977, 0.2878,
0.1921

■ 44.9322, 0.3084,
0.2972

■ 16.9751, 0.2812,
0.1690


■ 53.7565, 0.3119,
0.3222

■ 14.2051, 0.2742,
0.1494


■ 63.7753, 0.3147,
0.3457

■ 12.2060, 0.2671,
0.1341


■ 75.0325, 0.3170,
0.3673


 10.8799, 0.2602,
0.1235

 87.5696, 0.3188,
0.3872

 10.2139, 0.2553,
0.1180

 90.3804, 0.3218,
0.3897

 91.1861, 0.3251,
0.3890

 92.0170, 0.3284,
0.3884

Harmonies

Analogous

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



30.6760, 0.2436, 0.2296



30.6760, 0.2995, 0.2441



30.6760, 0.3654, 0.2763

Triad

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



30.6760, 0.2995, 0.2441



30.6760, 0.4237, 0.4152



30.6760, 0.2149, 0.3239

Complementary

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



30.6760, 0.2995, 0.2441



48.5573, 0.3212, 0.4216

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.



30.6760, 0.2561, 0.3906



30.6760, 0.2995, 0.2441



30.6760, 0.3766, 0.4443

Square

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



30.6760, 0.2995, 0.2441



30.6760, 0.4411, 0.3695



30.6760, 0.3151, 0.4383



30.6760, 0.1991, 0.2681

Rectangle

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



30.6760, 0.2995, 0.2441



30.6760, 0.4045, 0.3048



30.6760, 0.3151, 0.4383



30.6760, 0.2260, 0.3461

Sweetspot

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



30.6773, 0.2995, 0.2441



83.5546, 0.3094, 0.3040



30.9812, 0.2578, 0.2591



17.4262, 0.3089, 0.3004



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.



30.6773, 0.2995, 0.2441



47.5091, 0.2958, 0.2260



32.1905, 0.3317, 0.2656



10.6719, 0.3097, 0.3059



6.6863, 0.2562, 0.1185



0.3502, 0.2703, 0.1263

Inverse Universe

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



30.9800, 0.3680, 0.3067



48.2438, 0.3846, 0.3020



47.5125, 0.2982, 0.4022



10.6817, 0.3249, 0.3230



7.9793, 0.5872, 0.3009



0.3901, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 30.6760, 0.2995, 0.2441 looks on a white background.

Color Contrast Check

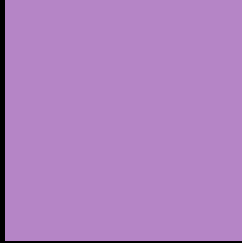
Large Text (above 18pt) WCAG AA × Fail

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 30.6760, 0.2995, 0.2441 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 30.6760, 0.2995, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 30.6760, 0.2995, 0.2441.



This preview shows how white text looks on a background with the Yxy color 30.6760, 0.2995, 0.2441.

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

30.6760, 0.2995, 0.2441

Protanopia

31.0536, 0.2487, 0.2422

Deuteranopia

30.8707, 0.2669, 0.2608



Tritanopia

30.6446, 0.3360, 0.3132

Trichromacy



Original Color

30.6760, 0.2995, 0.2441

Protanomaly

30.5852, 0.2648, 0.2415

Deuteranomaly

30.6984, 0.2778, 0.2546

Tritanomaly

30.6769, 0.3232, 0.2871

Monochromacy



Original Color

30.6760, 0.2995, 0.2441

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.7002, 0.3073, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6760, 0.2995, 0.2441 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(181, 133, 198)` looks like.

```
.text, #text, p{  
    color:rgb(181, 133, 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(181, 133, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 133, 198) }
```

Border

The CSS property to change the border of an element to Yxy 30.6760, 0.2995, 0.2441 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(181, 133, 198) }
```

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

```
.border{ border-color:rgb(181, 133, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 133, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 133, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 133, 198);  
box-shadow:4px 4px 4px 4px rgb(181, 133,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6760, 0.2995, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 133, 198) }
```

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

```
.background{ background-color: rgb(181,  
133, 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](#).

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