

Converting Colors

Yxy(31.2621, 0.3260, 0.2749)

Have a look what the booklet for
Yxy(31.2621, 0.3260, 0.2749)
contains.

Yxy(31.3077, 0.3269, 0.2756)	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(31.3077, 0.3269, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	BB88B0
RGB	187, 136, 176
RGB Percent	73%, 53%, 69%
CMY	0.2666, 0.4667, 0.3098
CMYK	0.00, 0.27, 0.06, 0.27
HSL	313°, 27%, 63%
HSV	313°, 27%, 73%
XYZ	37.1353, 31.3077, 45.1553
YIQ	155.8090, 17.5560, 23.2520

Conversions

Conversions Part 2

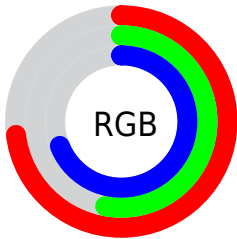
Format	Color
R_{YB}	187, 136, 176
Decimal	12290224
CIE _{Lab}	62.77, 26.02, -13.34
CIE _{LCh}	63, 29.238, 332.849
Yxy	31.3077, 0.3269, 0.2756
Android (android.graphics.Color)	4290480304 (0xFFBB88B0)
YUV	155.8090, 9.9542, 27.3545
Hunter-Lab	55.9533, 20.5493, -8.6808

Details

The Yxy color **31.3077, 0.3269, 0.2756** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.8870, 0.3012, 0.3891**, and the grayscale version is **33.1060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8862, 0.3243, 0.2855**, and **12.9136, 0.3314, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **26.3355, 0.3335, 0.2558**, and if you desaturate by 10%, it is **37.2065, 0.3211, 0.2956**.

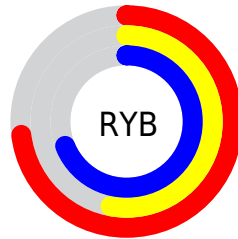
Distribution



Red (73%)

Green (53%)

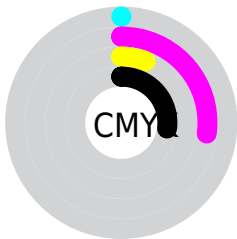
Blue (69%)



Red (73%)

Yellow (53%)

Blue (69%)

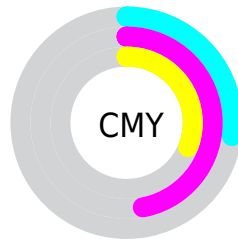


Cyan (0%)

Magenta (27%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (47%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3077, 0.3269, 0.2756 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 31.3077, 0.3269, 0.2756 by changing the saturation by 10% instead.


 31.3077, 0.3269,
0.2756

 31.3077, 0.3269,
0.2756


307.9534, 0.3199,
0.3029

 20.8333, 0.3286,
0.2686


 61.7242, 0.3244,
0.2856

 13.0022, 0.3308,
0.2596


 82.4350, 0.3234,
0.2894

 7.4300, 0.3337,
0.2474


 107.3268, 0.3226,
0.2925

 3.7325, 0.3375,
0.2301

136.7839, 0.3219,
0.2952

 1.5251, 0.3429,
0.2037

171.1907, 0.3213,
0.2975

 0.3063, 0.3666,
0.1209

210.9316, 0.3208,

 0.0000, 0.0000,

0.2995

0.0000

256.3911, 0.3203,
0.3013

■ 31.3077, 0.3269,
0.2756

■ 31.3077, 0.3269,
0.2756

■ 26.3355, 0.3335,
0.2558

■ 37.2065, 0.3211,
0.2956

■ 22.2379, 0.3408,
0.2370

■ 44.0720, 0.3160,
0.3152

■ 18.9643, 0.3488,
0.2201

■ 51.9470, 0.3116,
0.3340

■ 16.4569, 0.3571,
0.2062

■ 60.8707, 0.3079,
0.3518

■ 14.6508, 0.3657,
0.1961

■ 70.8799, 0.3047,
0.3683

■ 13.4699, 0.3741,
0.1904

■ 82.0098, 0.3021,
0.3836

■ 12.8058, 0.3823,
0.1892

■ 86.4589, 0.2998,
0.3858

■ 12.6606, 0.3845,
0.1892

■ 86.6556, 0.2977,
0.3811

■ 86.8574, 0.2955,
0.3764

Harmonies

Analogous

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



31.3077, 0.2807, 0.2575



31.3077, 0.3269, 0.2756



31.3077, 0.3721, 0.3057

Triad

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



31.3077, 0.3269, 0.2756



31.3077, 0.3807, 0.4057



31.3077, 0.2317, 0.3053

Complementary

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



31.3077, 0.3269, 0.2756



42.8870, 0.3012, 0.3891

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.



31.3077, 0.2546, 0.3509



31.3077, 0.3269, 0.2756



31.3077, 0.3400, 0.4129

Square

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



31.3077, 0.3269, 0.2756



31.3077, 0.4038, 0.3785



31.3077, 0.2938, 0.3927



31.3077, 0.2287, 0.2714

Rectangle

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



31.3077, 0.3269, 0.2756



31.3077, 0.3940, 0.3297



31.3077, 0.2938, 0.3927



31.3077, 0.2372, 0.3198

Sweetspot

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



31.3091, 0.3269, 0.2756



77.8042, 0.3164, 0.3136



27.3266, 0.2754, 0.2537



16.7034, 0.3171, 0.3106



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



31.3091, 0.3269, 0.2756



50.3058, 0.3309, 0.2632



30.4191, 0.3535, 0.3080



9.6600, 0.3170, 0.3112



8.7331, 0.3836, 0.1887



0.3510, 0.3658, 0.1789

Inverse Universe

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



31.3091, 0.3269, 0.2756



50.3058, 0.3309, 0.2632



43.7471, 0.2838, 0.3512



9.6600, 0.3170, 0.3112



8.7331, 0.3836, 0.1887



0.3510, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 31.3077, 0.3269, 0.2756 looks on a white background.

Color Contrast Check

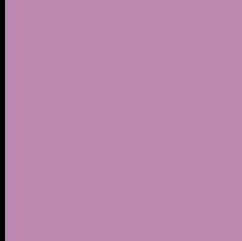
Large Text (above 18pt) WCAG AA × Fail

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 31.3077, 0.3269, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

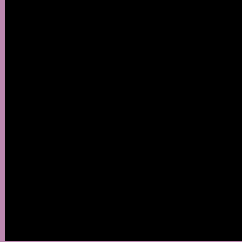
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3077, 0.3269, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 31.3077, 0.3269, 0.2756.



This preview shows how white text looks on a background with the Yxy color 31.3077, 0.3269, 0.2756.

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

31.3077, 0.3269, 0.2756

Protanopia

31.6077, 0.2759, 0.2774

Deuteranopia

31.4039, 0.2977, 0.2909



Tritanopia

31.1809, 0.3495, 0.3138

Trichromacy



Original Color

31.3077, 0.3269, 0.2756

Protanomaly

31.4088, 0.2935, 0.2775

Deuteranomaly

31.3665, 0.3077, 0.2850

Tritanomaly

31.3176, 0.3411, 0.3002

Monochromacy



Original Color

31.3077, 0.3269, 0.2756

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.3547, 0.3177, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3077, 0.3269, 0.2756 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(187, 136, 176)` looks like.

```
.text, #text, p{  
    color:rgb(187, 136, 176)  
}
```

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(187, 136, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 136, 176) }
```

Border

The CSS property to change the border of an element to Yxy 31.3077, 0.3269, 0.2756 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(187, 136, 176) }
```

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

```
.border{ border-color:rgb(187, 136, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 136, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 136, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 136, 176);  
box-shadow:4px 4px 4px 4px rgb(187, 136,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3077, 0.3269, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 136, 176) }
```

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

```
.background{ background-color: rgb(187,  
136, 176) }
```

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