

Converting Colors

$Yxy(48.8756, 0.3104, 0.2877)$

Have a look what the booklet for
Yxy(48.8756, 0.3104, 0.2877)
contains.

Yxy(48.8756, 0.3104, 0.2877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.8756, 0.3104, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	CEB0D3
RGB	206, 176, 211
RGB Percent	81%, 69%, 83%
CMY	0.1922, 0.3098, 0.1726
CMYK	0.02, 0.17, 0.00, 0.17
HSL	291°, 28%, 76%
HSV	291°, 17%, 83%
XYZ	52.7320, 48.8756, 68.2763
YIQ	188.9600, 6.6450, 17.2450

Conversions

Conversions Part 2

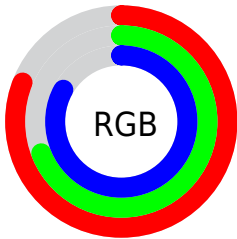
Format	Color
R_{YB}	206, 176, 211
Decimal	13545683
CIE _{Lab}	75.37, 17.00, -13.64
CIE _{LCh}	75, 21.795, 321.242
Yxy	48.8756, 0.3104, 0.2877
Android (android.graphics.Color)	4291735763 (0xFFCEB0D3)
YUV	188.9600, 10.8657, 14.9441
Hunter-Lab	69.9111, 12.2931, -8.9659

Details

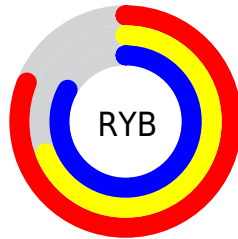
The Yxy color $48.8756, 0.3104, 0.2877$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $59.5457, 0.3144, 0.3729$, and the grayscale version is $50.7988, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $23.1455, 0.3094, 0.2770$ is the 20% darker color. If you saturate the color by 10%, you get $40.8077, 0.3085, 0.2618$, and if you desaturate by 10%, it is $58.2419, 0.3119, 0.3130$.

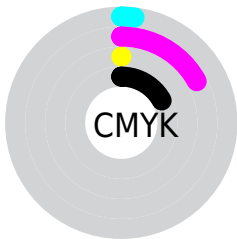
Distribution



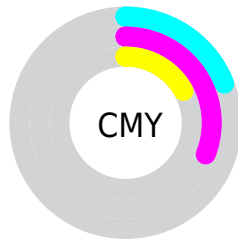
- Red (81%)
- Green (69%)
- Blue (83%)



- Red (81%)
- Yellow (69%)
- Blue (83%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)





- Cyan (19%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8756, 0.3104, 0.2877 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 48.8756, 0.3104, 0.2877 by changing the saturation by 10% instead.


 48.8756, 0.3104,
0.2877

 48.8756, 0.3104,
0.2877


382.2524, 0.3118,
0.3076

 34.5208, 0.3100,
0.2830


 88.5067, 0.3110,
0.2947

 23.2940, 0.3094,
0.2770


114.5517, 0.3112,
0.2974

 14.8107, 0.3086,
0.2694


145.2623, 0.3113,
0.2997

 8.6867, 0.3074,
0.2591

181.0229, 0.3114,
0.3017

 4.5374, 0.3054,
0.2445

222.2178, 0.3116,
0.3035

 1.9785, 0.3017,
0.2225

269.2314, 0.3117,

 0.5949, 0.2962,

0.3050

0.1784


322.4481, 0.3117,
0.3063

 0.0000, 0.0000,
0.0000


 48.8756, 0.3104,
0.2877

 48.8756, 0.3104,
0.2877


 40.8077, 0.3085,
0.2618

 58.2419, 0.3119,
0.3130

 33.9728, 0.3062,
0.2361

 68.9558, 0.3131,
0.3371


 28.3089, 0.3035,
0.2114

 81.0716, 0.3139,
0.3597

 23.7465, 0.3004,
0.1889

 91.1386, 0.3149,
0.3754

 20.2084, 0.2970,
0.1694

 91.6088, 0.3168,
0.3751

■ 17.6074, 0.2934,
0.1539

■ 92.0876, 0.3187,
0.3749

■ 15.8421, 0.2897,
0.1428

■ 92.5750, 0.3206,
0.3746

■ 14.7817, 0.2859,
0.1360

■ 93.0710, 0.3226,
0.3743

■ 14.4998, 0.2847,
0.1342

■ 93.5757, 0.3245,
0.3741

Harmonies

Analogous

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



48.8756, 0.2821, 0.2797



48.8756, 0.3104, 0.2877



48.8756, 0.3406, 0.3054

Triad

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



48.8756, 0.3104, 0.2877



48.8756, 0.3643, 0.3738



48.8756, 0.2640, 0.3255

Complementary

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



48.8756, 0.3104, 0.2877



59.5457, 0.3144, 0.3729

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.



48.8756, 0.2843, 0.3541



48.8756, 0.3104, 0.2877



48.8756, 0.3422, 0.3825

Square

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



48.8756, 0.3104, 0.2877



48.8756, 0.3725, 0.3539



48.8756, 0.3127, 0.3756



48.8756, 0.2563, 0.2998

Rectangle

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



48.8756, 0.3104, 0.2877



48.8756, 0.3573, 0.3208



48.8756, 0.3127, 0.3756



48.8756, 0.2695, 0.3352

Sweetspot

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



48.8777, 0.3104, 0.2877



91.7886, 0.3121, 0.3167



47.0877, 0.2861, 0.2914



19.4087, 0.3120, 0.3150



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.



48.8777, 0.3104, 0.2877



70.3069, 0.3098, 0.2783



49.0151, 0.3246, 0.3021



11.9197, 0.3115, 0.3059



8.7857, 0.2852, 0.1345



0.5153, 0.2922, 0.1383

Inverse Universe

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



48.2403, 0.3397, 0.3230



69.1641, 0.3471, 0.3216



59.4577, 0.3025, 0.3575



11.8354, 0.3268, 0.3257



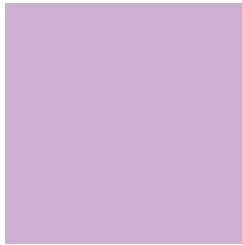
8.4242, 0.6196, 0.3187



0.4801, 0.5759, 0.2946

Previews

White Background



This preview shows how the Yxy color 48.8756, 0.3104, 0.2877 looks on a white background.

Color Contrast Check

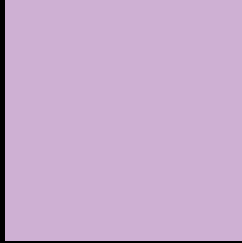
Large Text (above 18pt) WCAG AA × Fail

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 48.8756, 0.3104, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

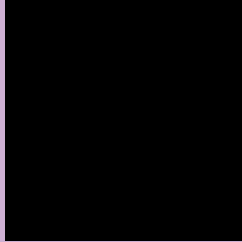
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8756, 0.3104, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 48.8756, 0.3104, 0.2877.



This preview shows how white text looks on a background with the Yxy color 48.8756, 0.3104, 0.2877.

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

48.8756, 0.3104, 0.2877

Protanopia

48.9421, 0.2859, 0.2893

Deuteranopia

48.9074, 0.2995, 0.2936



Tritanopia

48.7870, 0.3221, 0.3120

Trichromacy



Original Color

48.8756, 0.3104, 0.2877

Protanomaly

48.7216, 0.2942, 0.2887

Deuteranomaly

48.7637, 0.3036, 0.2916

Tritanomaly

48.8483, 0.3174, 0.3025

Monochromacy



Original Color

48.8756, 0.3104, 0.2877

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.9143, 0.3118, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8756, 0.3104, 0.2877 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(206, 176, 211)` looks like.

```
.text, #text, p{  
    color:rgb(206, 176, 211)  
}
```

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(206, 176, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 176, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.8756, 0.3104, 0.2877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

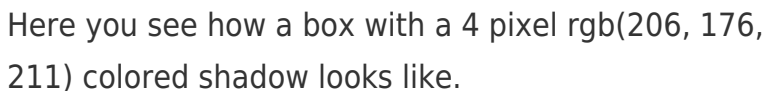
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 176, 211) }
```

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

```
.border{ border-color:rgb(206, 176, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 176, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 176, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 176, 211); box-shadow:4px 4px 4px 4px rgb(206, 176, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8756, 0.3104, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 176, 211) }
```

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

```
.background{ background-color: rgb(206,  
176, 211) }
```

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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