

Converting Colors

$Y_{xy}(29.5086, 0.3768, 0.3628)$

Have a look what the booklet for
Yxy(29.5086, 0.3768, 0.3628)
contains.

Yxy(29.5879, 0.3766, 0.3630)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5879, 0.3766, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	B08D76
RGB	176, 141, 118
RGB Percent	69%, 55%, 46%
CMY	0.3098, 0.4470, 0.5373
CMYK	0.00, 0.20, 0.33, 0.31
HSL	24°, 27%, 58%
HSV	24°, 33%, 69%
XYZ	30.6964, 29.5879, 21.2250
YIQ	148.8430, 28.2430, 0.2670

Conversions

Conversions Part 2

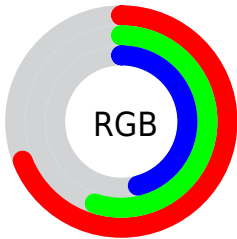
Format	Color
R_{YB}	176, 156, 118
Decimal	11570550
CIE _{Lab}	61.30, 9.87, 17.31
CIE _{LCh}	61, 19.923, 60.303
Yxy	29.5879, 0.3766, 0.3630
Android (android.graphics.Color)	4289760630 (0xFFB08D76)
YUV	148.8430, -15.2056, 23.8167
Hunter-Lab	54.3948, 5.5415, 14.9412

Details

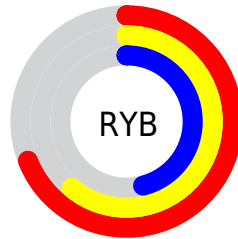
The Yxy color $29.5879, 0.3766, 0.3630$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $29.7518, 0.2620, 0.2921$, and the grayscale version is $30.0414, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.0883, 0.3630, 0.3572$, and $12.0619, 0.3976, 0.3725$ is the 20% darker color. If you saturate the color by 10%, you get $26.2281, 0.4025, 0.3736$, and if you desaturate by 10%, it is $33.3284, 0.3539, 0.3523$.

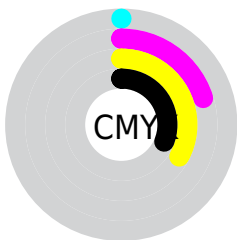
Distribution



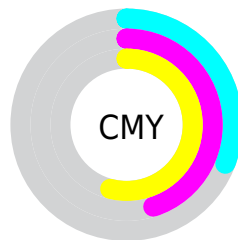
- Red (69%)
- Green (55%)
- Blue (46%)



- Red (69%)
- Yellow (61%)
- Blue (46%)



- Cyan (0%)
- Magenta (20%)
- Yellow (33%)
- Black (31%)





- Cyan (31%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5879, 0.3766, 0.3630 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 29.5879, 0.3766, 0.3630 by changing the saturation by 10% instead.


 29.5879, 0.3766,
0.3630


 29.5879, 0.3766,
0.3630


299.9788, 0.3421,
0.3455

 19.5260, 0.3861,
0.3674


 59.0099, 0.3634,
0.3566

 12.0510, 0.3989,
0.3731


 79.1387, 0.3586,
0.3542

 6.7784, 0.4168,
0.3806


 103.3920, 0.3547,
0.3521

 3.3239, 0.4437,
0.3904

132.1541, 0.3514,
0.3504

 1.3031, 0.5201,
0.4298

165.8095, 0.3485,
0.3489

 0.1436, 0.7244,
0.2756

204.7424, 0.3461,

 0.0000, 0.0000,

0.3476

0.0000

249.3374, 0.3439,
0.3465

■ 29.5879, 0.3766,
0.3630

■ 29.5879, 0.3766,
0.3630

■ 26.2281, 0.4025,
0.3736

■ 33.3284, 0.3539,
0.3523

■ 23.2321, 0.4313,
0.3832

■ 37.4575, 0.3342,
0.3418

■ 20.5878, 0.4624,
0.3910

■ 41.9880, 0.3173,
0.3318

■ 18.2805, 0.4945,
0.3956

■ 46.9310, 0.3027,
0.3225

■ 16.2946, 0.5255,
0.3960

■ 52.2970, 0.2903,
0.3140

■ 14.6124, 0.5528,
0.3912

■ 58.0961, 0.2795,
0.3061

■ 13.5939, 0.5699,
0.3857

■ 64.3381, 0.2703,
0.2989

■ 70.7874, 0.2643,
0.2964

■ 76.7347, 0.2657,
0.3085

Harmonies

Analogous

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



29.5879, 0.3727, 0.3372



29.5879, 0.3766, 0.3630



29.5879, 0.3625, 0.3818

Triad

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



29.5879, 0.3766, 0.3630



29.5879, 0.2742, 0.3471



29.5879, 0.2881, 0.2773

Complementary

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



29.5879, 0.3766, 0.3630



29.7518, 0.2620, 0.2921

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.



29.5879, 0.2639, 0.2774



29.5879, 0.3766, 0.3630



29.5879, 0.2562, 0.3160

Square

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



29.5879, 0.3766, 0.3630



29.5879, 0.3029, 0.3739



29.5879, 0.2525, 0.2908



29.5879, 0.3202, 0.2894

Rectangle

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



29.5879, 0.3766, 0.3630



29.5879, 0.3453, 0.3869



29.5879, 0.2525, 0.2908



29.5879, 0.2789, 0.2759

Sweetspot

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



29.5893, 0.3766, 0.3630



70.1623, 0.3292, 0.3389



24.5050, 0.3419, 0.2775



14.9676, 0.3316, 0.3403



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.5893, 0.3766, 0.3630



48.8967, 0.3963, 0.3712



38.9946, 0.3642, 0.4012



9.0405, 0.3277, 0.3381



10.0831, 0.5680, 0.3872



0.4329, 0.5170, 0.4277

Inverse Universe

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



29.7518, 0.2620, 0.2921



49.2250, 0.2504, 0.2819



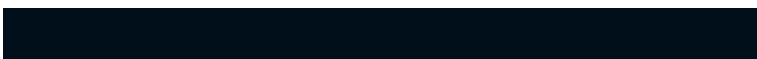
21.5868, 0.2562, 0.2446



9.0539, 0.2986, 0.3197



9.9977, 0.1876, 0.1954



0.4247, 0.1991, 0.2368

Previews

White Background



This preview shows how the Yxy color 29.5879, 0.3766, 0.3630 looks on a white background.

Color Contrast Check

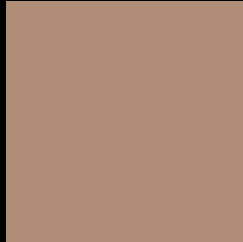
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5879, 0.3766, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

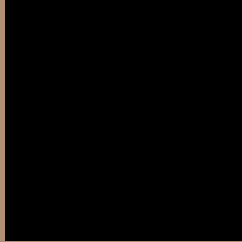
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5879, 0.3766, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 29.5879, 0.3766, 0.3630.



This preview shows how white text looks on a background with the Yxy color 29.5879, 0.3766, 0.3630.

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

29.5879, 0.3766, 0.3630

Protanopia

29.7284, 0.3492, 0.3715

Deuteranopia

29.5382, 0.3727, 0.3648



Tritanopia

29.5816, 0.3491, 0.3148

Trichromacy



Original Color

29.5879, 0.3766, 0.3630

Protanomaly

29.4994, 0.3591, 0.3675

Deuteranomaly

29.6527, 0.3739, 0.3647

Tritanomaly

29.4195, 0.3600, 0.3320

Monochromacy



Original Color

29.5879, 0.3766, 0.3630

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.7637, 0.3345, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5879, 0.3766, 0.3630 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(176, 141, 118)` looks like.

```
.text, #text, p{  
    color:rgb(176, 141, 118)  
}
```

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(176, 141, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 141, 118) }
```

Border

The CSS property to change the border of an element to Yxy 29.5879, 0.3766, 0.3630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

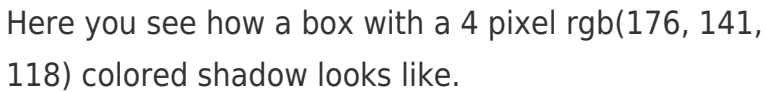
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 141, 118) }
```

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

```
.border{ border-color:rgb(176, 141, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 141, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 141, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 141, 118);  
box-shadow:4px 4px 4px 4px rgb(176, 141,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5879, 0.3766, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 141, 118) }
```

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

```
.background{ background-color: rgb(176,  
141, 118) }
```

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