

Converting Colors

$Y_{xy}(28.1959, 0.3796, 0.3473)$

Have a look what the booklet for
Yxy(28.1959, 0.3796, 0.3473)
contains.

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Color

Yxy(28.1586, 0.3799, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	B4867A
RGB	180, 134, 122
RGB Percent	71%, 53%, 48%
CMY	0.2940, 0.4745, 0.5216
CMYK	0.00, 0.26, 0.32, 0.29
HSL	12°, 28%, 59%
HSV	12°, 32%, 71%
XYZ	30.8640, 28.1586, 22.2198
YIQ	146.3860, 31.2680, 6.0200

Conversions

Conversions Part 2

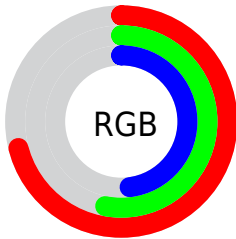
Format	Color
RYB	180, 137, 122
Decimal	11830906
CIELab	60.03, 15.95, 13.34
CIElCh	60, 20.791, 39.915
Yxy	28.1586, 0.3799, 0.3466
Android (android.graphics.Color)	4290020986 (0xFFB4867A)
YUV	146.3860, -12.0223, 29.4795
Hunter-Lab	53.0647, 10.9576, 12.3188

Details

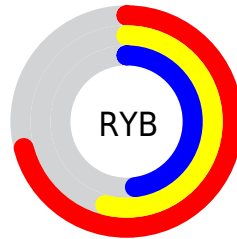
The Yxy color $28.1586, 0.3799, 0.3466$ is a dark color, and the websafe version is hex $CC9999$. A complement of this color would be $35.4481, 0.2652, 0.3105$, and the grayscale version is $28.9530, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.6012, 0.3663, 0.3436$, and $11.2573, 0.4052, 0.3515$ is the 20% darker color. If you saturate the color by 10%, you get $24.0699, 0.4098, 0.3522$, and if you desaturate by 10%, it is $32.8657, 0.3547, 0.3409$.

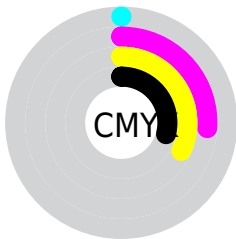
Distribution



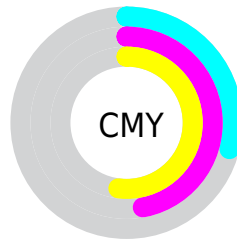
- Red (71%)
- Green (53%)
- Blue (48%)



- Red (71%)
- Yellow (54%)
- Blue (48%)



- Cyan (0%)
- Magenta (26%)
- Yellow (32%)
- Black (29%)





- Cyan (29%)
- Magenta (47%)
- Yellow (52%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1586, 0.3799, 0.3466 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 28.1586, 0.3799, 0.3466 by changing the saturation by 10% instead.


 28.1586, 0.3799,
0.3466


 28.1586, 0.3799,
0.3466


293.2240, 0.3432,
0.3379


 18.4452, 0.3902,
0.3486


 56.7376, 0.3657,
0.3435

 11.2701, 0.4042,
0.3510


 76.3719, 0.3607,
0.3424

 6.2488, 0.4242,
0.3539


 100.0821, 0.3565,
0.3414

 2.9970, 0.4549,
0.3569

128.2525, 0.3530,
0.3405

 1.1302, 0.5322,
0.3758

161.2675, 0.3500,
0.3397

 0.0035, 0.9911,
0.0089

199.5115, 0.3474,

 0.0000, 0.0000,

0.3391

0.0000

243.3689, 0.3451,
0.3385

■ 28.1586, 0.3799,
0.3466

■ 28.1586, 0.3799,
0.3466

■ 24.0699, 0.4098,
0.3522

■ 32.8657, 0.3547,
0.3409

■ 20.5698, 0.4445,
0.3571

■ 38.2114, 0.3336,
0.3353

■ 17.6319, 0.4833,
0.3607

■ 44.2200, 0.3162,
0.3301

■ 15.2265, 0.5241,
0.3619

■ 50.9132, 0.3017,
0.3253

■ 13.3205, 0.5633,
0.3600

■ 58.3119, 0.2897,
0.3209

■ 11.8774, 0.5962,
0.3545

■ 66.4359, 0.2796,
0.3169

■ 11.0430, 0.6161,
0.3490

■ 75.3043, 0.2711,
0.3132

■ 84.2055, 0.2693,
0.3216

■ 88.4460, 0.2701,
0.3289

Harmonies

Analogous

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



28.1586, 0.3628, 0.3183



28.1586, 0.3799, 0.3466



28.1586, 0.3776, 0.3724

Triad

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



28.1586, 0.3799, 0.3466



28.1586, 0.2916, 0.3689



28.1586, 0.2679, 0.2729

Complementary

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



28.1586, 0.3799, 0.3466



35.4481, 0.2652, 0.3105

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.



28.1586, 0.2512, 0.2824



28.1586, 0.3799, 0.3466



28.1586, 0.2643, 0.3374

Square

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



28.1586, 0.3799, 0.3466



28.1586, 0.3256, 0.3881



28.1586, 0.2499, 0.3054



28.1586, 0.2969, 0.2772

Rectangle

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



28.1586, 0.3799, 0.3466



28.1586, 0.3658, 0.3847



28.1586, 0.2499, 0.3054



28.1586, 0.2608, 0.2745

Sweetspot

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



28.1599, 0.3799, 0.3466



71.4113, 0.3298, 0.3342



26.4673, 0.3290, 0.2647



15.1223, 0.3323, 0.3350



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.1599, 0.3799, 0.3466



45.4295, 0.4017, 0.3508



37.1689, 0.3674, 0.3861



8.7806, 0.3282, 0.3338



7.7858, 0.6142, 0.3505



0.3275, 0.5625, 0.3915

Inverse Universe

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



35.4481, 0.2652, 0.3105



60.7733, 0.2552, 0.3056



26.0164, 0.2596, 0.2643



9.3272, 0.2986, 0.3242



16.0636, 0.2062, 0.2622



0.5807, 0.2119, 0.2828

Previews

White Background



This preview shows how the Yxy color 28.1586, 0.3799, 0.3466 looks on a white background.

Color Contrast Check

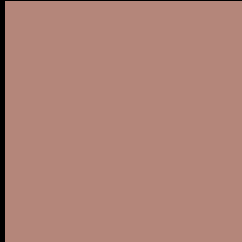
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1586, 0.3799, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

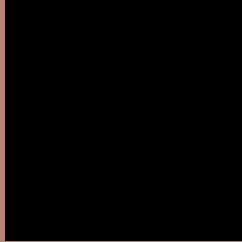
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1586, 0.3799, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 28.1586, 0.3799, 0.3466.



This preview shows how white text looks on a background with the Yxy color 28.1586, 0.3799, 0.3466.

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

28.1586, 0.3799, 0.3466

Protanopia

28.4585, 0.3384, 0.3579

Deuteranopia

28.0612, 0.3638, 0.3567



Tritanopia

28.1008, 0.3610, 0.3149

Trichromacy



Original Color

28.1586, 0.3799, 0.3466

Protanomaly

28.2118, 0.3529, 0.3540

Deuteranomaly

28.0425, 0.3704, 0.3532

Tritanomaly

28.0475, 0.3677, 0.3263

Monochromacy



Original Color

28.1586, 0.3799, 0.3466

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4212, 0.3353, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1586, 0.3799, 0.3466 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(180, 134, 122)` looks like.

```
.text, #text, p{  
    color:rgb(180, 134, 122)  
}
```

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(180, 134, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 134, 122) }
```

Border

The CSS property to change the border of an element to Yxy 28.1586, 0.3799, 0.3466 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(180, 134, 122) }
```

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

```
.border{ border-color:rgb(180, 134, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 134, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 134, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 134, 122);  
box-shadow:4px 4px 4px 4px rgb(180, 134,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1586, 0.3799, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 134, 122) }
```

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

```
.background{ background-color: rgb(180,  
134, 122) }
```

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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