

Converting Colors

$Y_{xy}(27.4844, 0.3424, 0.2941)$

Have a look what the booklet for
Yxy(27.4844, 0.3424, 0.2941)
contains.

Yxy(27.4654, 0.3430, 0.2948)	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(27.4654, 0.3430, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	B28199
RGB	178, 129, 153
RGB Percent	70%, 51%, 60%
CMY	0.3020, 0.4941, 0.4001
CMYK	0.00, 0.28, 0.14, 0.30
HSL	331°, 24%, 60%
HSV	331°, 28%, 70%
XYZ	31.9560, 27.4654, 33.7448
YIQ	146.3870, 21.5000, 17.8520

Conversions

Conversions Part 2

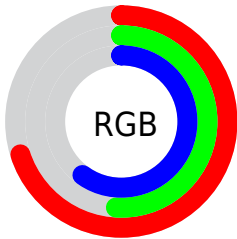
Format	Color
RYB	178, 129, 153
Decimal	11698585
CIELab	59.40, 22.66, -5.34
CIELCh	59, 23.285, 346.739
Yxy	27.4654, 0.3430, 0.2948
Android (android.graphics.Color)	4289888665 (0xFFB28199)
YUV	146.3870, 3.2602, 27.7246
Hunter-Lab	52.4074, 17.1293, -1.4912

Details

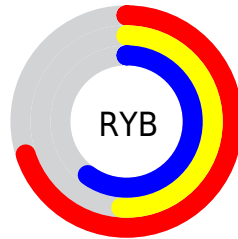
The Yxy color **27.4654, 0.3430, 0.2948** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.8367, 0.2904, 0.3661**, and the grayscale version is **28.8915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4533, 0.3368, 0.3016**, and **10.9112, 0.3544, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **22.8895, 0.3582, 0.2819**, and if you desaturate by 10%, it is **32.8834, 0.3302, 0.3077**.

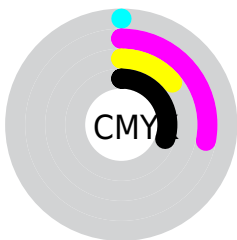
Distribution



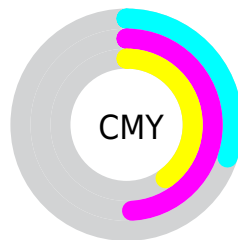
- Red (70%)
- Green (51%)
- Blue (60%)



- Red (70%)
- Yellow (51%)
- Blue (60%)



- Cyan (0%)
- Magenta (28%)
- Yellow (14%)
- Black (30%)





- Cyan (30%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4654, 0.3430, 0.2948 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 27.4654, 0.3430, 0.2948 by changing the saturation by 10% instead.


 27.4654, 0.3430,
0.2948


 27.4654, 0.3430,
0.2948


289.9035, 0.3267,
0.3130


 17.9231, 0.3475,
0.2899


 55.6298, 0.3368,
0.3017

 10.8948, 0.3535,
0.2833


 75.0206, 0.3346,
0.3042

 5.9961, 0.3620,
0.2741


 98.4631, 0.3327,
0.3063

 2.8427, 0.3750,
0.2604

126.3416, 0.3311,
0.3080

 1.0502, 0.3971,
0.2376

159.0404, 0.3298,
0.3095

 0.0000, 0.6193,
0.0000

196.9441, 0.3286,

 0.0000, 0.0000,

0.3108

0.0000

240.4370, 0.3276,
0.3120

■ 27.4654, 0.3430,
0.2948

■ 27.4654, 0.3430,
0.2948

■ 22.8895, 0.3582,
0.2819

■ 32.8834, 0.3302,
0.3077

■ 19.1090, 0.3761,
0.2695

■ 39.1796, 0.3195,
0.3201

■ 16.0787, 0.3966,
0.2586

■ 46.3923, 0.3107,
0.3318

■ 13.7468, 0.4195,
0.2502

■ 54.5568, 0.3034,
0.3428

■ 12.0551, 0.4440,
0.2456

■ 63.7060, 0.2973,
0.3529

■ 10.9359, 0.4692,
0.2458

■ 73.8718, 0.2923,
0.3622

■ 10.2866, 0.4937,
0.2511

■ 85.0842, 0.2882,
0.3707

■ 10.1530, 0.4999,
0.2527

■ 86.4569, 0.2836,
0.3616

■ 86.9683, 0.2790,
0.3512

Harmonies

Analogous

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



27.4654, 0.3035, 0.2741



27.4654, 0.3430, 0.2948



27.4654, 0.3755, 0.3238

Triad

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



27.4654, 0.3430, 0.2948



27.4654, 0.3554, 0.3981



27.4654, 0.2411, 0.2950

Complementary

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



27.4654, 0.3430, 0.2948



38.8367, 0.2904, 0.3661

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.



27.4654, 0.2531, 0.3296



27.4654, 0.3430, 0.2948



27.4654, 0.3181, 0.3930

Square

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



27.4654, 0.3430, 0.2948



27.4654, 0.3823, 0.3830



27.4654, 0.2808, 0.3669



27.4654, 0.2466, 0.2726

Rectangle

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



27.4654, 0.3430, 0.2948



27.4654, 0.3877, 0.3450



27.4654, 0.2808, 0.3669



27.4654, 0.2431, 0.3055

Sweetspot

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



27.4666, 0.3430, 0.2948



70.3021, 0.3201, 0.3194



25.7390, 0.2900, 0.2564



15.1769, 0.3216, 0.3175



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.



27.4666, 0.3430, 0.2948



44.6127, 0.3519, 0.2869



26.7528, 0.3712, 0.3292



8.5723, 0.3213, 0.3179



7.2786, 0.4973, 0.2513



0.2408, 0.4357, 0.2174

Inverse Universe

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



27.4666, 0.3430, 0.2948



44.6127, 0.3519, 0.2869



39.7167, 0.2733, 0.3289



8.5723, 0.3213, 0.3179



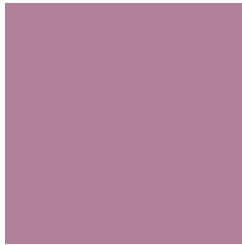
7.2786, 0.4973, 0.2513



0.2408, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 27.4654, 0.3430, 0.2948 looks on a white background.

Color Contrast Check

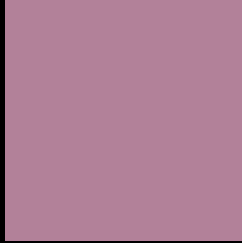
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4654, 0.3430, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

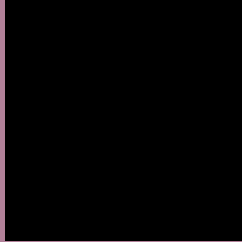
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4654, 0.3430, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 27.4654, 0.3430, 0.2948.



This preview shows how white text looks on a background with the Yxy color 27.4654, 0.3430, 0.2948.

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

27.4654, 0.3430, 0.2948

Protanopia

27.5819, 0.2935, 0.2989

Deuteranopia

27.5696, 0.3168, 0.3104



Tritanopia

27.5028, 0.3552, 0.3146

Trichromacy



Original Color

27.4654, 0.3430, 0.2948

Protanomaly

27.2300, 0.3099, 0.2967

Deuteranomaly

27.3815, 0.3261, 0.3034

Tritanomaly

27.3567, 0.3508, 0.3074

Monochromacy



Original Color

27.4654, 0.3430, 0.2948

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.1952, 0.3231, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4654, 0.3430, 0.2948 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(178, 129, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 129, 153)  
}
```

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(178, 129, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 129, 153) }
```

Border

The CSS property to change the border of an element to Yxy 27.4654, 0.3430, 0.2948 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(178, 129, 153) }
```

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

```
.border{ border-color:rgb(178, 129, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 129, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 129, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 129, 153);  
box-shadow:4px 4px 4px 4px rgb(178, 129,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4654, 0.3430, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 129, 153) }
```

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

```
.background{ background-color: rgb(178,  
129, 153) }
```

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