

Converting Colors

$Y_{xy}(36.8557, 0.3165, 0.2700)$

Have a look what the booklet for
Yxy(36.8557, 0.3165, 0.2700)
contains.

Yxy(36.8557, 0.3165, 0.2700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8557, 0.3165, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	C494C3
RGB	196, 148, 195
RGB Percent	77%, 58%, 76%
CMY	0.2313, 0.4196, 0.2354
CMYK	0.00, 0.24, 0.01, 0.23
HSL	301°, 29%, 67%
HSV	301°, 24%, 77%
XYZ	43.2031, 36.8557, 56.4438
YIQ	167.7100, 13.5210, 24.7930

Conversions

Conversions Part 2

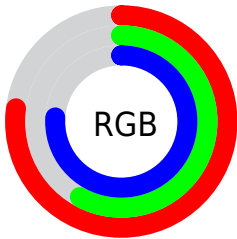
Format	Color
R _Y B	196, 148, 195
Decimal	12883139
CIE Lab	67.17, 25.95, -17.27
CIE LCh	67, 31.175, 326.363
Yxy	36.8557, 0.3165, 0.2700
Android (android.graphics.Color)	4291073219 (0xFFC494C3)
YUV	167.7100, 13.4540, 24.8103
Hunter-Lab	60.7089, 20.7877, -12.6284

Details

The Yxy color **36.8557, 0.3165, 0.2700** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.9518, 0.3088, 0.3960**, and the grayscale version is **38.9369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1520, 0.3158, 0.2797**, and **16.2233, 0.3176, 0.2546** is the 20% darker color. If you saturate the color by 10%, you get **31.2005, 0.3181, 0.2461**, and if you desaturate by 10%, it is **43.5553, 0.3149, 0.2944**.

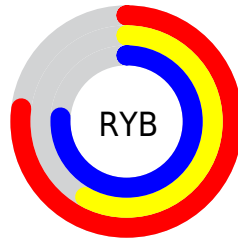
Distribution



Red (77%)

Green (58%)

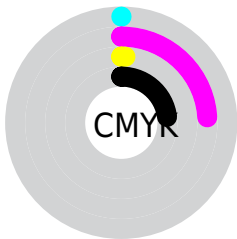
Blue (76%)



Red (77%)

Yellow (58%)

Blue (76%)

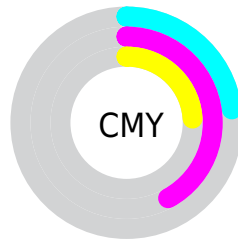


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (23%)



Cyan (23%)


Magenta (42%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8557, 0.3165, 0.2700 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 36.8557, 0.3165, 0.2700 by changing the saturation by 10% instead.

 36.8557, 0.3165,
0.2700


 36.8557, 0.3165,
0.2700


332.6854, 0.3151,
0.2992

 25.0958, 0.3167,
0.2628


 70.3508, 0.3161,
0.2805

 16.1484, 0.3168,
0.2537


 92.8548, 0.3159,
0.2845

 9.6292, 0.3169,
0.2416


119.7089, 0.3158,
0.2879

 5.1538, 0.3166,
0.2251

151.2975, 0.3156,
0.2908

 2.3378, 0.3154,
0.2012

188.0051, 0.3155,
0.2933

 0.7936, 0.3118,
0.1634

230.2160, 0.3153,

 0.0000, 0.2793,

0.2955

0.0000

278.3146, 0.3152,
0.2975

0.0000, 0.0000,
0.0000

36.8557, 0.3165,
0.2700

36.8557, 0.3165,
0.2700

31.2005, 0.3181,
0.2461

43.5553, 0.3149,
0.2944

26.5326, 0.3198,
0.2235

51.3433, 0.3134,
0.3184

22.7965, 0.3214,
0.2032

60.2669, 0.3119,
0.3417

19.9294, 0.3228,
0.1860

70.3692, 0.3106,
0.3636

17.8609, 0.3241,
0.1727

81.6909, 0.3094,
0.3841

■ 16.5094, 0.3252,
0.1637

■ 87.3122, 0.3088,
0.3927

■ 15.7763, 0.3260,
0.1588

■ 87.3319, 0.3086,
0.3922

■ 15.5310, 0.3264,
0.1572

■ 87.3516, 0.3083,
0.3917

■ 87.3714, 0.3081,
0.3912

Harmonies

Analogous

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



36.8557, 0.2715, 0.2550



36.8557, 0.3165, 0.2700



36.8557, 0.3637, 0.2981

Triad

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



36.8557, 0.3165, 0.2700



36.8557, 0.3882, 0.4018



36.8557, 0.2343, 0.3144

Complementary

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



36.8557, 0.3165, 0.2700



47.9518, 0.3088, 0.3960

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.



36.8557, 0.2615, 0.3612



36.8557, 0.3165, 0.2700



36.8557, 0.3500, 0.4144

Square

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



36.8557, 0.3165, 0.2700



36.8557, 0.4065, 0.3714



36.8557, 0.3035, 0.4001



36.8557, 0.2268, 0.2768

Rectangle

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



36.8557, 0.3165, 0.2700



36.8557, 0.3887, 0.3216



36.8557, 0.3035, 0.4001



36.8557, 0.2413, 0.3297

Sweetspot

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



36.8573, 0.3165, 0.2700



89.1102, 0.3138, 0.3122



31.5393, 0.2719, 0.2606



18.8827, 0.3139, 0.3107



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.



36.8573, 0.3165, 0.2700



61.4447, 0.3173, 0.2580



35.8671, 0.3394, 0.2989



10.2436, 0.3141, 0.3068



9.9802, 0.3264, 0.1572



0.4324, 0.3251, 0.1564

Inverse Universe

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



36.8573, 0.3165, 0.2700



61.4447, 0.3173, 0.2580



48.7899, 0.2923, 0.3613



10.2436, 0.3141, 0.3068



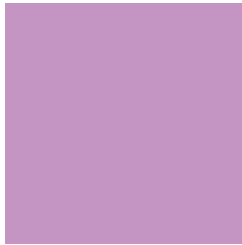
9.9802, 0.3264, 0.1572



0.4324, 0.3251, 0.1564

Previews

White Background



This preview shows how the Yxy color 36.8557, 0.3165, 0.2700 looks on a white background.

Color Contrast Check

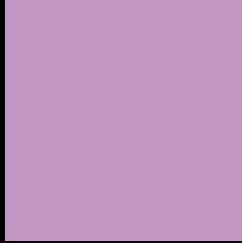
Large Text (above 18pt) WCAG AA × Fail

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 36.8557, 0.3165, 0.2700 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 36.8557, 0.3165, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 36.8557, 0.3165, 0.2700.



This preview shows how white text looks on a background with the Yxy color 36.8557, 0.3165, 0.2700.

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

36.8557, 0.3165, 0.2700

Protanopia

37.0207, 0.2705, 0.2701

Deuteranopia

37.0989, 0.2903, 0.2840



Tritanopia

36.7055, 0.3406, 0.3132

Trichromacy



Original Color

36.8557, 0.3165, 0.2700

Protanomaly

36.7660, 0.2864, 0.2703

Deuteranomaly

37.0191, 0.2992, 0.2786

Tritanomaly

36.6053, 0.3312, 0.2964

Monochromacy



Original Color

36.8557, 0.3165, 0.2700

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.1691, 0.3138, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8557, 0.3165, 0.2700 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(196, 148, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 148, 195)  
}
```

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(196, 148, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 148, 195) }
```

Border

The CSS property to change the border of an element to Yxy 36.8557, 0.3165, 0.2700 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(196, 148, 195) }
```

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

```
.border{ border-color:rgb(196, 148, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 148, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 148, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 148, 195);  
box-shadow:4px 4px 4px 4px rgb(196, 148,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8557, 0.3165, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 148, 195) }
```

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

```
.background{ background-color: rgb(196,  
148, 195) }
```

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