

Converting Colors

$Y_{xy}(28.0352, 0.3258, 0.2375)$

Have a look what the booklet for
Yxy(28.0352, 0.3258, 0.2375)
contains.

Yxy(28.0352, 0.3258, 0.2375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0352, 0.3258, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	C574BD
RGB	197, 116, 189
RGB Percent	77%, 45%, 74%
CMY	0.2275, 0.5451, 0.2587
CMYK	0.00, 0.41, 0.04, 0.23
HSL	306°, 41%, 61%
HSV	306°, 41%, 77%
XYZ	38.4584, 28.0352, 51.5494
YIQ	148.5410, 24.8430, 39.8750

Conversions

Conversions Part 2

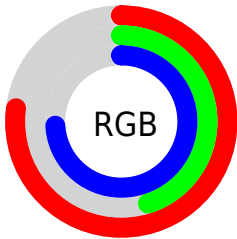
Format	Color
RYB	197, 116, 189
Decimal	12940477
CIELab	59.92, 42.57, -24.98
CIElCh	60, 49.362, 329.598
Yxy	28.0352, 0.3258, 0.2375
Android (android.graphics.Color)	4291130557 (0xFFC574BD)
YUV	148.5410, 19.9463, 42.4985
Hunter-Lab	52.9483, 36.9920, -20.6597

Details

The Yxy color **28.0352, 0.3258, 0.2375** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.0970, 0.3019, 0.4420**, and the grayscale version is **29.7603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6020, 0.3245, 0.2547**, and **11.2806, 0.3294, 0.2133** is the 20% darker color. If you saturate the color by 10%, you get **23.8828, 0.3296, 0.2174**, and if you desaturate by 10%, it is **33.1542, 0.3222, 0.2593**.

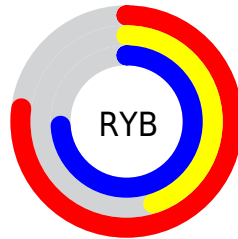
Distribution



Red (77%)

Green (45%)

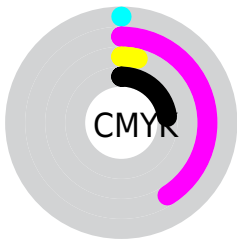
Blue (74%)



Red (77%)

Yellow (45%)

Blue (74%)

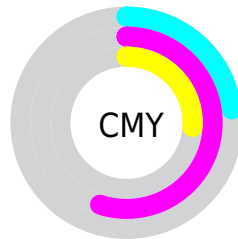


Cyan (0%)

Magenta (41%)

Yellow (4%)

Black (23%)



Cyan (23%)


Magenta (55%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0352, 0.3258, 0.2375 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 28.0352, 0.3258, 0.2375 by changing the saturation by 10% instead.


 28.0352, 0.3258,
0.2375


 28.0352, 0.3258,
0.2375


292.6351, 0.3202,
0.2833

 18.3522, 0.3268,
0.2262


 56.5406, 0.3240,
0.2541

 11.2031, 0.3279,
0.2118


 76.1319, 0.3233,
0.2603

 6.2036, 0.3289,
0.1929


 99.7946, 0.3226,
0.2656

 2.9693, 0.3295,
0.1672

127.9133, 0.3220,
0.2701

 1.1157, 0.3282,
0.1311

160.8723, 0.3215,
0.2741

 0.0000, 0.3477,
0.0000

199.0560, 0.3211,

 0.0000, 0.0000,

0.2775

0.0000

242.8488, 0.3206,
0.2806

■ 28.0352, 0.3258,
0.2375

■ 28.0352, 0.3258,
0.2375

■ 23.8828, 0.3296,
0.2174

■ 33.1542, 0.3222,
0.2593

■ 20.6317, 0.3335,
0.1999

■ 39.2919, 0.3188,
0.2819

■ 18.2148, 0.3374,
0.1859

■ 46.5014, 0.3157,
0.3046

■ 16.5538, 0.3411,
0.1761

■ 54.8309, 0.3130,
0.3266

■ 15.5555, 0.3446,
0.1707

■ 64.3257, 0.3106,
0.3476

■ 15.0694, 0.3474,
0.1688

■ 75.0286, 0.3085,
0.3674

■ 86.9801, 0.3067,
0.3857

■ 87.7740, 0.3056,
0.3846

■ 87.8678, 0.3045,
0.3824

Harmonies

Analogous

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



28.0352, 0.2494, 0.2115



28.0352, 0.3258, 0.2375



28.0352, 0.4085, 0.2820

Triad

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



28.0352, 0.3258, 0.2375



28.0352, 0.4301, 0.4511



28.0352, 0.1812, 0.2906

Complementary

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



28.0352, 0.3258, 0.2375



45.0970, 0.3019, 0.4420

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.



28.0352, 0.2186, 0.3756



28.0352, 0.3258, 0.2375



28.0352, 0.3615, 0.4798

Square

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



28.0352, 0.3258, 0.2375



28.0352, 0.4704, 0.3969



28.0352, 0.2841, 0.4540



28.0352, 0.1749, 0.2335

Rectangle

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



28.0352, 0.3258, 0.2375



28.0352, 0.4507, 0.3183



28.0352, 0.2841, 0.4540



28.0352, 0.1901, 0.3168

Sweetspot

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



28.0365, 0.3258, 0.2375



81.8145, 0.3160, 0.3022



20.7148, 0.2429, 0.2057



17.1268, 0.3164, 0.2992



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.



28.0365, 0.3258, 0.2375



43.6931, 0.3291, 0.2200



26.5546, 0.3723, 0.2845



10.7980, 0.3152, 0.3084



9.9195, 0.3470, 0.1685



0.4750, 0.3409, 0.1652

Inverse Universe

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



28.0365, 0.3258, 0.2375



43.6931, 0.3291, 0.2200



46.2960, 0.2770, 0.3794



10.7980, 0.3152, 0.3084



9.9195, 0.3470, 0.1685



0.4750, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 28.0352, 0.3258, 0.2375 looks on a white background.

Color Contrast Check

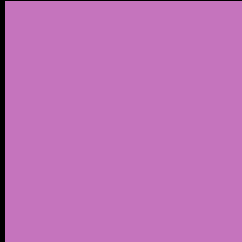
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0352, 0.3258, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

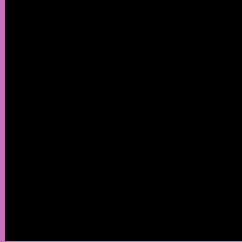
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0352, 0.3258, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 28.0352, 0.3258, 0.2375.



This preview shows how white text looks on a background with the Yxy color 28.0352, 0.3258, 0.2375.

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

28.0352, 0.3258, 0.2375

Protanopia

28.4593, 0.2414, 0.2329

Deuteranopia

28.2100, 0.2710, 0.2654



Tritanopia

28.0613, 0.3776, 0.3154

Trichromacy



Original Color

28.0352, 0.3258, 0.2375



Protanomaly

27.5234, 0.2665, 0.2319



Deuteranomaly

27.6912, 0.2884, 0.2532



Tritanomaly

27.9037, 0.3580, 0.2848

Monochromacy



Original Color

28.0352, 0.3258, 0.2375



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6786, 0.3167, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0352, 0.3258, 0.2375 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(197, 116, 189)` looks like.

```
.text, #text, p{  
    color:rgb(197, 116, 189)  
}
```

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(197, 116, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 116, 189) }
```

Border

The CSS property to change the border of an element to Yxy 28.0352, 0.3258, 0.2375 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(197, 116, 189) }
```

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

```
.border{ border-color:rgb(197, 116, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 116, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 116, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 116, 189);  
box-shadow:4px 4px 4px 4px rgb(197, 116,  
189) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.0352, 0.3258, 0.2375$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 116, 189) }
```

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

```
.background{ background-color: rgb(197,  
116, 189) }
```

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