

Converting Colors

$Y_{xy}(27.8398, 0.3450, 0.2581)$

Have a look what the booklet for
Yxy(27.8398, 0.3450, 0.2581)
contains.

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Color

Yxy(27.7455, 0.3448, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	C675AD
RGB	198, 117, 173
RGB Percent	78%, 46%, 68%
CMY	0.2235, 0.5412, 0.3215
CMYK	0.00, 0.41, 0.13, 0.22
HSL	319°, 42%, 62%
HSV	319°, 41%, 78%
XYZ	37.1954, 27.7455, 42.9343
YIQ	147.6030, 30.3000, 34.5880

Conversions

Conversions Part 2

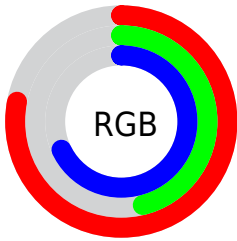
Format	Color
R _Y B	198, 117, 173
Decimal	13006253
CIE Lab	59.66, 39.61, -16.21
CIE LCh	60, 42.802, 337.738
Yxy	27.7455, 0.3448, 0.2572
Android (android.graphics.Color)	4291196333 (0xFFC675AD)
YUV	147.6030, 12.5207, 44.1982
Hunter-Lab	52.6740, 33.8670, -11.4552

Details

The Yxy color **27.7455, 0.3448, 0.2572** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.1277, 0.2912, 0.4143**, and the grayscale version is **29.3788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0430, 0.3375, 0.2704**, and **11.0277, 0.3528, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **23.3793, 0.3557, 0.2407**, and if you desaturate by 10%, it is **33.1010, 0.3351, 0.2749**.

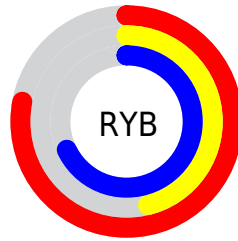
Distribution



Red (78%)

Green (46%)

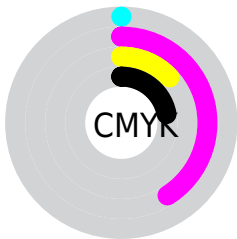
Blue (68%)



Red (78%)

Yellow (46%)

Blue (68%)

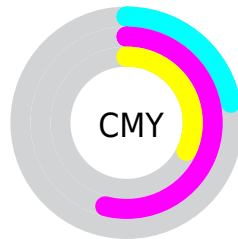


Cyan (0%)

Magenta (41%)

Yellow (13%)

Black (22%)



Cyan (22%)


Magenta (54%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7455, 0.3448, 0.2572 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 27.7455, 0.3448, 0.2572 by changing the saturation by 10% instead.


 27.7455, 0.3448,
0.2572


 27.7455, 0.3448,
0.2572


291.2488, 0.3285,
0.2939


 18.1339, 0.3490,
0.2478


 56.0779, 0.3388,
0.2707

 11.0462, 0.3543,
0.2357


 75.5674, 0.3366,
0.2757

 6.0979, 0.3615,
0.2194


 99.1184, 0.3347,
0.2799

 2.9047, 0.3716,
0.1965

127.1152, 0.3331,
0.2836

 1.0822, 0.3866,
0.1623

159.9423, 0.3317,
0.2867

 0.0000, 0.4597,
0.0000

197.9840, 0.3305,

 0.0000, 0.0000,

0.2894

0.0000

241.6247, 0.3294,
0.2918

■ 27.7455, 0.3448,
0.2572

■ 27.7455, 0.3448,
0.2572

■ 23.3793, 0.3557,
0.2407

■ 33.1010, 0.3351,
0.2749

■ 19.9362, 0.3677,
0.2263

■ 39.4986, 0.3267,
0.2928

■ 17.3483, 0.3805,
0.2152


■ 46.9921, 0.3194,
0.3105

■ 15.5363, 0.3936,
0.2082

■ 55.6303, 0.3132,
0.3275

■ 14.4062, 0.4067,
0.2061


■ 65.4593, 0.3080,
0.3435

 13.8105, 0.4184,
0.2079

 76.5224, 0.3037,
0.3585

 88.4740, 0.3000,
0.3717

 88.7955, 0.2967,
0.3648

 89.1290, 0.2935,
0.3580

Harmonies

Analogous

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



27.7455, 0.2740, 0.2286



27.7455, 0.3448, 0.2572



27.7455, 0.4128, 0.3010

Triad

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



27.7455, 0.3448, 0.2572



27.7455, 0.4030, 0.4473



27.7455, 0.1917, 0.2801

Complementary

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



27.7455, 0.3448, 0.2572



46.1277, 0.2912, 0.4143

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.



27.7455, 0.2184, 0.3490



27.7455, 0.3448, 0.2572



27.7455, 0.3389, 0.4584

Square

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



27.7455, 0.3448, 0.2572



27.7455, 0.4456, 0.4053



27.7455, 0.2713, 0.4209



27.7455, 0.1929, 0.2365

Rectangle

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



27.7455, 0.3448, 0.2572



27.7455, 0.4429, 0.3351



27.7455, 0.2713, 0.4209



27.7455, 0.1974, 0.3008

Sweetspot

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



27.7468, 0.3448, 0.2572



81.4132, 0.3203, 0.3083



22.4890, 0.2593, 0.2114



17.0319, 0.3212, 0.3060



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.



27.7468, 0.3448, 0.2572



42.2192, 0.3544, 0.2426



26.4283, 0.3946, 0.3076



10.7587, 0.3184, 0.3132



8.9962, 0.4168, 0.2070



0.4385, 0.3922, 0.1934

Inverse Universe

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



27.7468, 0.3448, 0.2572



42.2192, 0.3544, 0.2426



47.5442, 0.2665, 0.3524



10.7587, 0.3184, 0.3132



8.9962, 0.4168, 0.2070



0.4385, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 27.7455, 0.3448, 0.2572 looks on a white background.

Color Contrast Check

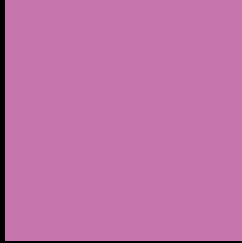
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7455, 0.3448, 0.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

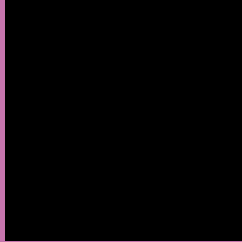
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7455, 0.3448, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 27.7455, 0.3448, 0.2572.



This preview shows how white text looks on a background with the Yxy color 27.7455, 0.3448, 0.2572.

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

27.7455, 0.3448, 0.2572

Protanopia

27.9329, 0.2596, 0.2550

Deuteranopia

28.0253, 0.2912, 0.2860



Tritanopia

27.8578, 0.3855, 0.3170

Trichromacy



Original Color

27.7455, 0.3448, 0.2572



Protanomaly

27.2043, 0.2862, 0.2548



Deuteranomaly

27.4041, 0.3099, 0.2737



Tritanomaly

27.6593, 0.3704, 0.2943

Monochromacy



Original Color

27.7455, 0.3448, 0.2572



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.4326, 0.3239, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7455, 0.3448, 0.2572 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(198, 117, 173)` looks like.

```
.text, #text, p{  
    color:rgb(198, 117, 173)  
}
```

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(198, 117, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 117, 173) }
```

Border

The CSS property to change the border of an element to Yxy 27.7455, 0.3448, 0.2572 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(198, 117, 173) }
```

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

```
.border{ border-color:rgb(198, 117, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 117, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 117, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 117, 173);  
box-shadow:4px 4px 4px 4px rgb(198, 117,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7455, 0.3448, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 117, 173) }
```

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

```
.background{ background-color: rgb(198,  
117, 173) }
```

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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