

Converting Colors

$Y_{xy}(27.3061, 0.3579, 0.2839)$

Have a look what the booklet for
Yxy(27.3061, 0.3579, 0.2839)
contains.

Yxy(27.3620, 0.3572, 0.2844)	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(27.3620, 0.3572, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	BF7A9B
RGB	191, 122, 155
RGB Percent	75%, 48%, 61%
CMY	0.2509, 0.5216, 0.3921
CMYK	0.00, 0.36, 0.19, 0.25
HSL	331°, 35%, 61%
HSV	331°, 36%, 75%
XYZ	34.3661, 27.3620, 34.4815
YIQ	146.3930, 30.5310, 24.8910

Conversions

Conversions Part 2

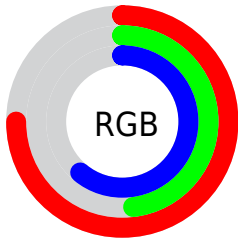
Format	Color
RYB	191, 122, 155
Decimal	12548763
CIELab	59.31, 31.60, -6.48
CIELCh	59, 32.260, 348.408
Yxy	27.3620, 0.3572, 0.2844
Android (android.graphics.Color)	4290738843 (0xFFBF7A9B)
YUV	146.3930, 4.2433, 39.1203
Hunter-Lab	52.3087, 25.7317, -2.4674

Details

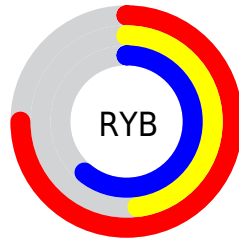
The Yxy color **27.3620, 0.3572, 0.2844** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.8775, 0.2835, 0.3789**, and the grayscale version is **28.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2199, 0.3481, 0.2933**, and **10.8684, 0.3720, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **22.8035, 0.3753, 0.2721**, and if you desaturate by 10%, it is **32.8727, 0.3419, 0.2971**.

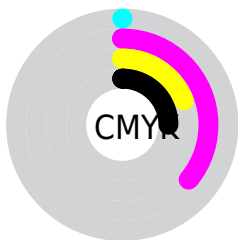
Distribution



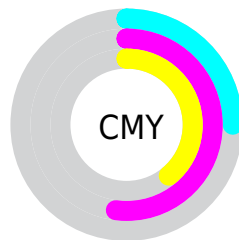
- Red (75%)
- Green (48%)
- Blue (61%)



- Red (75%)
- Yellow (48%)
- Blue (61%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (25%)





- Cyan (25%)
- Magenta (52%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3620, 0.3572, 0.2844 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 27.3620, 0.3572, 0.2844 by changing the saturation by 10% instead.


 27.3620, 0.3572,
0.2844


 27.3620, 0.3572,
0.2844


289.4056, 0.3334,
0.3079


 17.8453, 0.3637,
0.2781


 55.4642, 0.3481,
0.2933

 10.8390, 0.3725,
0.2698


 74.8185, 0.3449,
0.2965

 5.9587, 0.3848,
0.2582


 98.2208, 0.3421,
0.2992

 2.8200, 0.4035,
0.2410

126.0554, 0.3398,
0.3015

 1.0385, 0.4349,
0.2133

158.7068, 0.3379,
0.3034

 0.0000, 0.6539,
0.0000

196.5594, 0.3362,

 0.0000, 0.0000,

0.3051

0.0000

239.9975, 0.3347,
0.3066

■ 27.3620, 0.3572,
0.2844

■ 27.3620, 0.3572,
0.2844

■ 22.8035, 0.3753,
0.2721

■ 32.8727, 0.3419,
0.2971

■ 19.1383, 0.3961,
0.2612

■ 39.3821, 0.3290,
0.3098

■ 16.3072, 0.4195,
0.2527

■ 46.9385, 0.3183,
0.3219


■ 14.2418, 0.4447,
0.2479

■ 55.5858, 0.3095,
0.3333

■ 12.8629, 0.4707,
0.2479

■ 65.3654, 0.3022,
0.3439

 12.0693, 0.4960,
0.2532

 76.3164, 0.2962,
0.3537

 11.8406, 0.5057,
0.2559

 88.0233, 0.2912,
0.3620

 88.5826, 0.2860,
0.3508

 89.1742, 0.2809,
0.3399

Harmonies

Analogous

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



27.3620, 0.3022, 0.2564



27.3620, 0.3572, 0.2844



27.3620, 0.4021, 0.3228

Triad

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



27.3620, 0.3572, 0.2844



27.3620, 0.3676, 0.4256



27.3620, 0.2157, 0.2785

Complementary

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



27.3620, 0.3572, 0.2844



43.8775, 0.2835, 0.3789

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.



27.3620, 0.2299, 0.3255



27.3620, 0.3572, 0.2844



27.3620, 0.3157, 0.4188

Square

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



27.3620, 0.3572, 0.2844



27.3620, 0.4067, 0.4032



27.3620, 0.2655, 0.3798



27.3620, 0.2244, 0.2508

Rectangle

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



27.3620, 0.3572, 0.2844



27.3620, 0.4178, 0.3510



27.3620, 0.2655, 0.3798



27.3620, 0.2179, 0.2924

Sweetspot

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



27.3633, 0.3572, 0.2844



76.9905, 0.3235, 0.3159



24.9144, 0.2819, 0.2311



16.5030, 0.3249, 0.3142



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



27.3633, 0.3572, 0.2844



42.6837, 0.3706, 0.2751



26.6858, 0.3980, 0.3308



9.6103, 0.3215, 0.3181



7.7956, 0.5026, 0.2542



0.3186, 0.4479, 0.2241

Inverse Universe

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



27.3633, 0.3572, 0.2844



42.6837, 0.3706, 0.2751



44.6711, 0.2623, 0.3272



9.6103, 0.3215, 0.3181



7.7956, 0.5026, 0.2542



0.3186, 0.4479, 0.2241

Previews

White Background



This preview shows how the Yxy color 27.3620, 0.3572, 0.2844 looks on a white background.

Color Contrast Check

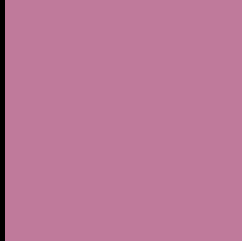
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3620, 0.3572, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

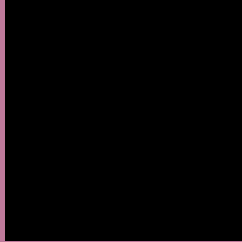
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3620, 0.3572, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 27.3620, 0.3572, 0.2844.



This preview shows how white text looks on a background with the Yxy color 27.3620, 0.3572, 0.2844.

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

27.3620, 0.3572, 0.2844

Protanopia

27.5764, 0.2844, 0.2881

Deuteranopia

27.5045, 0.3147, 0.3088



Tritanopia

27.4898, 0.3781, 0.3167

Trichromacy



Original Color

27.3620, 0.3572, 0.2844

Protanomaly

27.1404, 0.3082, 0.2867

Deuteranomaly

27.2905, 0.3298, 0.2993

Tritanomaly

27.5674, 0.3710, 0.3057

Monochromacy



Original Color

27.3620, 0.3572, 0.2844

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.7426, 0.3279, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3620, 0.3572, 0.2844 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(191, 122, 155)` looks like.

```
.text, #text, p{  
    color:rgb(191, 122, 155)  
}
```

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(191, 122, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 122, 155) }
```

Border

The CSS property to change the border of an element to Yxy 27.3620, 0.3572, 0.2844 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(191, 122, 155) }
```

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

```
.border{ border-color:rgb(191, 122, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 122, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 122, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 122, 155);  
box-shadow:4px 4px 4px 4px rgb(191, 122,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3620, 0.3572, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 122, 155) }
```

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

```
.background{ background-color: rgb(191,  
122, 155) }
```

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