

Converting Colors

$Yxy(32.3027, 0.3162, 0.2865)$

Have a look what the booklet for
Yxy(32.3027, 0.3162, 0.2865)
contains.

Yxy(32.2718, 0.3158, 0.2861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.2718, 0.3158, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	B090AF
RGB	176, 144, 175
RGB Percent	69%, 56%, 69%
CMY	0.3096, 0.4353, 0.3138
CMYK	0.00, 0.18, 0.01, 0.31
HSL	302°, 17%, 63%
HSV	302°, 18%, 69%
XYZ	35.6219, 32.2718, 44.9053
YIQ	157.1020, 9.1210, 16.4250

Conversions

Conversions Part 2

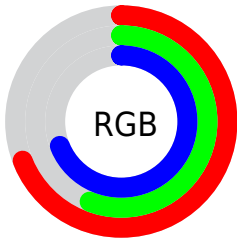
Format	Color
R _Y B	176, 144, 175
Decimal	11571375
CIE Lab	63.57, 17.53, -11.69
CIE LCh	64, 21.070, 326.313
Yxy	32.2718, 0.3158, 0.2861
Android (android.graphics.Color)	4289761455 (0xFFB090AF)
YUV	157.1020, 8.8237, 16.5735
Hunter-Lab	56.8083, 12.5149, -7.1012

Details

The Yxy color **32.2718, 0.3158, 0.2861** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.0410, 0.3096, 0.3760**, and the grayscale version is **33.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3135, 0.3151, 0.2939**, and **13.4697, 0.3154, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **27.3277, 0.3176, 0.2622**, and if you desaturate by 10%, it is **38.0503, 0.3141, 0.3099**.

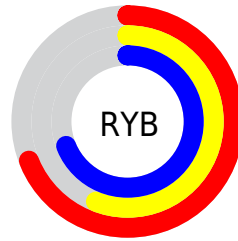
Distribution



Red (69%)

Green (56%)

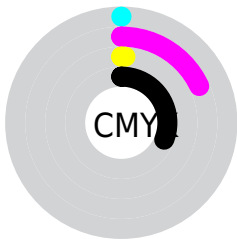
Blue (69%)



Red (69%)

Yellow (56%)

Blue (69%)

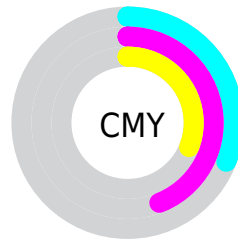


Cyan (0%)

Magenta (18%)

Yellow (1%)

Black (31%)



Cyan (31%)


Magenta (44%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2718, 0.3158, 0.2861 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 32.2718, 0.3158, 0.2861 by changing the saturation by 10% instead.

 32.2718, 0.3158,
0.2861


 32.2718, 0.3158,
0.2861


312.3555, 0.3145,
0.3081

 21.5692, 0.3161,
0.2804

 63.2369, 0.3154,
0.2943

 13.5407, 0.3163,
0.2730


 84.2683, 0.3152,
0.2973

 7.8019, 0.3166,
0.2629


109.5113, 0.3150,
0.2998

 3.9685, 0.3167,
0.2485

139.3504, 0.3149,
0.3020

 1.6559, 0.3164,
0.2262

174.1700, 0.3148,
0.3038

 0.3949, 0.3247,
0.1596

214.3544, 0.3147,

 0.0000, 0.0000,

0.3055

0.0000

260.2881, 0.3146,
0.3069

■ 32.2718, 0.3158,
0.2861

■ 32.2718, 0.3158,
0.2861

■ 27.3277, 0.3176,
0.2622

■ 38.0503, 0.3141,
0.3099

■ 23.1754, 0.3195,
0.2390

■ 44.6949, 0.3124,
0.3331

■ 19.7749, 0.3214,
0.2174

■ 52.2409, 0.3110,
0.3551

■ 17.0808, 0.3233,
0.1983

■ 60.7202, 0.3096,
0.3758

■ 15.0432, 0.3250,
0.1825

■ 70.1633, 0.3084,
0.3949

■ 13.6055, 0.3266,
0.1708

■ 80.5994, 0.3074,
0.4125

■ 12.7014, 0.3279,
0.1632

■ 84.0107, 0.3069,
0.4170

■ 12.2205, 0.3290,
0.1593

■ 84.0340, 0.3066,
0.4164

■ 12.1480, 0.3292,
0.1587

■ 84.0575, 0.3062,
0.4157

Harmonies

Analogous

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



32.2718, 0.2835, 0.2752



32.2718, 0.3158, 0.2861



32.2718, 0.3488, 0.3070

Triad

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



32.2718, 0.3158, 0.2861



32.2718, 0.3667, 0.3813



32.2718, 0.2563, 0.3196

Complementary

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



32.2718, 0.3158, 0.2861



39.0410, 0.3096, 0.3760

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.



32.2718, 0.2765, 0.3517



32.2718, 0.3158, 0.2861



32.2718, 0.3400, 0.3886

Square

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



32.2718, 0.3158, 0.2861



32.2718, 0.3789, 0.3606



32.2718, 0.3069, 0.3780



32.2718, 0.2506, 0.2925

Rectangle

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



32.2718, 0.3158, 0.2861



32.2718, 0.3662, 0.3244



32.2718, 0.3069, 0.3780



32.2718, 0.2616, 0.3303

Sweetspot

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



32.2732, 0.3158, 0.2861



72.5603, 0.3135, 0.3172



29.0561, 0.2838, 0.2804



15.5515, 0.3136, 0.3156



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.2732, 0.3158, 0.2861



54.5776, 0.3166, 0.2761



31.6983, 0.3312, 0.3071



8.6418, 0.3142, 0.3073



8.9103, 0.3291, 0.1587



0.2818, 0.3267, 0.1573

Inverse Universe

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



32.2732, 0.3158, 0.2861



54.5776, 0.3166, 0.2761



39.5529, 0.2975, 0.3520



8.6418, 0.3142, 0.3073



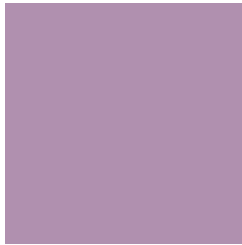
8.9103, 0.3291, 0.1587



0.2818, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 32.2718, 0.3158, 0.2861 looks on a white background.

Color Contrast Check

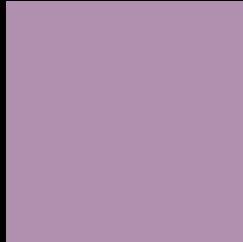
Large Text (above 18pt) WCAG AA × Fail

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 32.2718, 0.3158, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

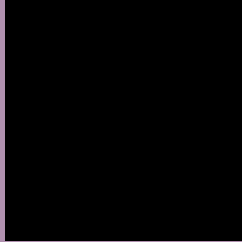
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2718, 0.3158, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 32.2718, 0.3158, 0.2861.



This preview shows how white text looks on a background with the Yxy color 32.2718, 0.3158, 0.2861.

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

32.2718, 0.3158, 0.2861

Protanopia

32.5082, 0.2845, 0.2879

Deuteranopia

32.3423, 0.3006, 0.2942



Tritanopia

32.3347, 0.3301, 0.3134

Trichromacy



Original Color

32.2718, 0.3158, 0.2861

Protanomaly

32.4383, 0.2952, 0.2872

Deuteranomaly

32.3428, 0.3065, 0.2919

Tritanomaly

32.3521, 0.3253, 0.3036

Monochromacy



Original Color

32.2718, 0.3158, 0.2861

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0293, 0.3135, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2718, 0.3158, 0.2861 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(176, 144, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 144, 175)  
}
```

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(176, 144, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 144, 175) }
```

Border

The CSS property to change the border of an element to Yxy 32.2718, 0.3158, 0.2861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

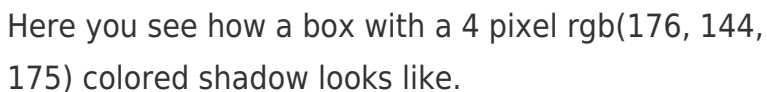
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 144, 175) }
```

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

```
.border{ border-color:rgb(176, 144, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 144, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 144, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 144, 175); box-shadow:4px 4px 4px 4px rgb(176, 144, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2718, 0.3158, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 144, 175) }
```

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

```
.background{ background-color: rgb(176,  
144, 175) }
```

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