

Converting Colors

$Y_{xy}(29.0392, 0.3063, 0.2741)$

Have a look what the booklet for
Yxy(29.0392, 0.3063, 0.2741)
contains.

| | |
|--|----|
| Yxy(29.0935, 0.3058, 0.2746) | 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(29.0935, 0.3058, 0.2746)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A689AF |
| RGB | 166, 137, 175 |
| RGB Percent | 65%, 54%, 69% |
| CMY | 0.3492, 0.4626, 0.3138 |
| CMYK | 0.05, 0.22, 0.00, 0.31 |
| HSL | 286°, 19%, 61% |
| HSV | 286°, 22%, 69% |
| XYZ | 32.3991, 29.0935, 44.4561 |
| YIQ | 150.0030, 5.0860, 17.9660 |

Conversions

Conversions Part 2

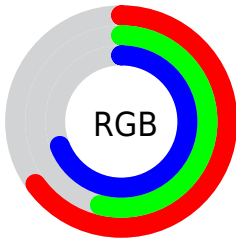
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 166, 137, 175 |
| Decimal | 10914223 |
| CIELab | 60.86, 17.96, -15.85 |
| CIELCh | 61, 23.956, 318.582 |
| Yxy | 29.0935, 0.3058, 0.2746 |
| Android (android.graphics.Color) | 4289104303 (0xFFA689AF) |
| YUV | 150.0030, 12.3235, 14.0294 |
| Hunter-Lab | 53.9384, 12.8272, -11.1100 |

Details

The Yxy color **29.0935, 0.3058, 0.2746** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.5772, 0.3179, 0.3868**, and the grayscale version is **30.4443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4033, 0.3069, 0.2851**, and **11.7989, 0.3038, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **24.0727, 0.3016, 0.2482**, and if you desaturate by 10%, it is **34.9383, 0.3093, 0.3004**.

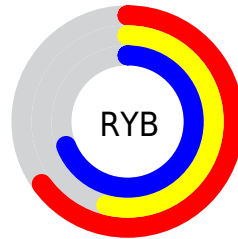
Distribution



Red (65%)

Green (54%)

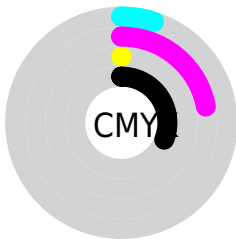
Blue (69%)



Red (65%)

Yellow (54%)

Blue (69%)

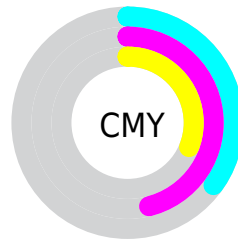


Cyan (5%)

Magenta (22%)

Yellow (0%)

Black (31%)



Cyan (35%)


Magenta (46%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0935, 0.3058, 0.2746 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 29.0935, 0.3058, 0.2746 by changing the saturation by 10% instead.

 29.0935, 0.3058,
0.2746


 29.0935, 0.3058,
0.2746


297.6559, 0.3099,
0.3028


 19.1516, 0.3045,
0.2672


 58.2256, 0.3075,
0.2851

 11.7798, 0.3027,
0.2576


 78.1846, 0.3080,
0.2890

 6.5940, 0.3000,
0.2445


 102.2513, 0.3085,
0.2922

 3.2095, 0.2956,
0.2255

130.8103, 0.3089,
0.2950

 1.2421, 0.2874,
0.1962

164.2458, 0.3092,
0.2973

 0.0957, 0.2848,
0.0515

202.9423, 0.3095,

 0.0000, 0.0000,

0.2994

0.0000

247.2842, 0.3097,
0.3012

■ 29.0935, 0.3058,
0.2746

■ 29.0935, 0.3058,
0.2746

■ 24.0727, 0.3016,
0.2482

■ 34.9383, 0.3093,
0.3004

■ 19.8330, 0.2968,
0.2220

■ 41.6396, 0.3123,
0.3250

■ 16.3337, 0.2914,
0.1970

■ 49.2328, 0.3147,
0.3481

■ 13.5285, 0.2856,
0.1741

■ 57.7502, 0.3166,
0.3694

■ 11.3659, 0.2793,
0.1545

■ 67.2224, 0.3181,
0.3890

■ 9.7872, 0.2730,
0.1389

■ 77.6787, 0.3192,
0.4068

■ 8.7226, 0.2667,
0.1279

■ 86.2317, 0.3206,
0.4187

■ 8.1064, 0.2615,
0.1214

■ 86.7950, 0.3232,
0.4179

■ 87.3739, 0.3259,
0.4172

Harmonies

Analogous

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



29.0935, 0.2701, 0.2654



29.0935, 0.3058, 0.2746



29.0935, 0.3456, 0.2961

Triad

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



29.0935, 0.3058, 0.2746



29.0935, 0.3817, 0.3849



29.0935, 0.2513, 0.3272

Complementary

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



29.0935, 0.3058, 0.2746



38.5772, 0.3179, 0.3868

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.



29.0935, 0.2784, 0.3652



29.0935, 0.3058, 0.2746



29.0935, 0.3537, 0.3991

Square

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



29.0935, 0.3058, 0.2746



29.0935, 0.3910, 0.3575



29.0935, 0.3157, 0.3926



29.0935, 0.2403, 0.2928

Rectangle

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



29.0935, 0.3058, 0.2746



29.0935, 0.3686, 0.3152



29.0935, 0.3157, 0.3926



29.0935, 0.2588, 0.3401

Sweetspot

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



29.0947, 0.3058, 0.2746



67.8779, 0.3108, 0.3118



29.1327, 0.2780, 0.2850



14.9336, 0.3106, 0.3104



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.



29.0947, 0.3058, 0.2746



47.6584, 0.3039, 0.2621



29.7459, 0.3248, 0.2887



8.0505, 0.3101, 0.3064



5.8358, 0.2622, 0.1218



0.1853, 0.2810, 0.1322

Inverse Universe

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



29.0887, 0.3456, 0.3160



47.6842, 0.3550, 0.3129



38.0654, 0.3025, 0.3729



8.0455, 0.3250, 0.3236



6.6531, 0.5929, 0.3040



0.1935, 0.5096, 0.2581

Previews

White Background



This preview shows how the Yxy color 29.0935, 0.3058, 0.2746 looks on a white background.

Color Contrast Check

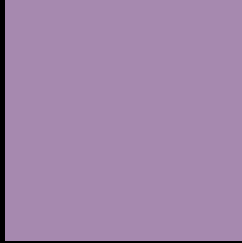
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0935, 0.3058, 0.2746 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 29.0935, 0.3058, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 29.0935, 0.3058, 0.2746.



This preview shows how white text looks on a background with the Yxy color 29.0935, 0.3058, 0.2746.

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

29.0935, 0.3058, 0.2746

Protanopia

29.3829, 0.2748, 0.2759

Deuteranopia

29.2984, 0.2889, 0.2838



Tritanopia

29.1033, 0.3253, 0.3125

Trichromacy



Original Color

29.0935, 0.3058, 0.2746

Protanomaly

29.2892, 0.2854, 0.2754

Deuteranomaly

29.0743, 0.2956, 0.2801

Tritanomaly

29.1867, 0.3184, 0.2994

Monochromacy



Original Color

29.0935, 0.3058, 0.2746

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.8219, 0.3106, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0935, 0.3058, 0.2746 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(166, 137, 175)` looks like.

```
.text, #text, p{  
    color:rgb(166, 137, 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(166, 137, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 137, 175) }
```

Border

The CSS property to change the border of an element to Yxy 29.0935, 0.3058, 0.2746 is called "border". The border property can be set on classes, ids or directly on the HTML element.

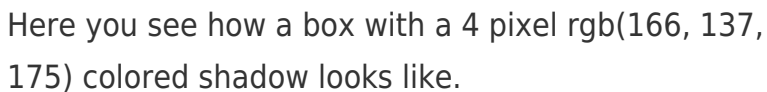
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 137, 175) }
```

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

```
.border{ border-color:rgb(166, 137, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 137, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 137, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 137, 175); box-shadow:4px 4px 4px 4px rgb(166, 137, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0935, 0.3058, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 137, 175) }
```

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

```
.background{ background-color: rgb(166,  
137, 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