

Converting Colors

$Y_{xy}(29.9350, 0.3140, 0.2844)$

Have a look what the booklet for
Yxy(29.9350, 0.3140, 0.2844)
contains.

Yxy(29.9136, 0.3148, 0.2848)	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(29.9136, 0.3148, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	AA8BAA
RGB	170, 139, 170
RGB Percent	67%, 55%, 67%
CMY	0.3333, 0.4549, 0.3334
CMYK	0.00, 0.18, 0.00, 0.33
HSL	300°, 15%, 61%
HSV	300°, 18%, 67%
XYZ	33.0646, 29.9136, 42.0555
YIQ	151.8030, 8.5250, 16.2130

Conversions

Conversions Part 2

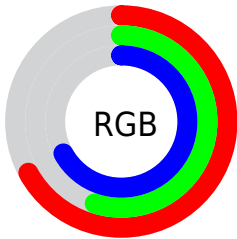
Format	Color
RYB	170, 139, 170
Decimal	11176874
CIELab	61.58, 17.26, -11.89
CIElCh	62, 20.958, 325.422
Yxy	29.9136, 0.3148, 0.2848
Android (android.graphics.Color)	4289366954 (0xFFAA8BAA)
YUV	151.8030, 8.9711, 15.9588
Hunter-Lab	54.6933, 12.1981, -7.3047

Details

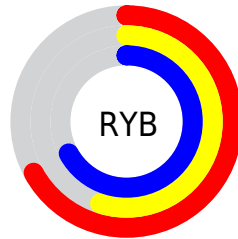
The Yxy color **29.9136, 0.3148, 0.2848** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.1031, 0.3104, 0.3776**, and the grayscale version is **31.2684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7449, 0.3151, 0.2941**, and **12.3043, 0.3154, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **25.3683, 0.3160, 0.2603**, and if you desaturate by 10%, it is **35.2271, 0.3136, 0.3093**.

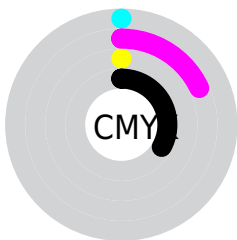
Distribution



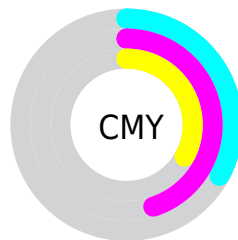
- Red (67%)
- Green (55%)
- Blue (67%)



- Red (67%)
- Yellow (55%)
- Blue (67%)



- Cyan (0%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9136, 0.3148, 0.2848 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 29.9136, 0.3148, 0.2848 by changing the saturation by 10% instead.

 29.9136, 0.3148,
0.2848


 29.9136, 0.3148,
0.2848


301.5015, 0.3140,
0.3078


 19.7730, 0.3149,
0.2788

 59.5255, 0.3146,
0.2934

 12.2302, 0.3150,
0.2709


 79.7656, 0.3145,
0.2965

 6.9006, 0.3149,
0.2600


 104.1411, 0.3144,
0.2991

 3.4000, 0.3146,
0.2443

133.0362, 0.3143,
0.3014

 1.3440, 0.3134,
0.2196

166.8354, 0.3142,
0.3033

 0.1749, 0.3290,
0.0979

205.9231, 0.3141,

 0.0000, 0.0000,

0.3050

0.0000

250.6837, 0.3141,
0.3065

■ 29.9136, 0.3148,
0.2848

■ 29.9136, 0.3148,
0.2848

■ 25.3683, 0.3160,
0.2603

■ 35.2271, 0.3136,
0.3093

■ 21.5519, 0.3171,
0.2366

■ 41.3377, 0.3125,
0.3332

■ 18.4277, 0.3181,
0.2146

■ 48.2780, 0.3114,
0.3559

■ 15.9543, 0.3190,
0.1951

■ 56.0772, 0.3104,
0.3772

■ 14.0858, 0.3198,
0.1791

■ 64.7633, 0.3095,
0.3970

■ 12.7701, 0.3204,
0.1671

■ 74.3630, 0.3087,
0.4151

■ 11.9469, 0.3208,
0.1591

■ 82.9692, 0.3080,
0.4288

■ 11.5114, 0.3210,
0.1548

■ 82.9694, 0.3080,
0.4288

■ 11.4461, 0.3210,
0.1542

■ 82.9696, 0.3080,
0.4288

Harmonies

Analogous

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



29.9136, 0.2821, 0.2741



29.9136, 0.3148, 0.2848



29.9136, 0.3486, 0.3058

Triad

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



29.9136, 0.3148, 0.2848



29.9136, 0.3684, 0.3818



29.9136, 0.2556, 0.3203

Complementary

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



29.9136, 0.3148, 0.2848



36.1031, 0.3104, 0.3776

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.



29.9136, 0.2766, 0.3531



29.9136, 0.3148, 0.2848



29.9136, 0.3415, 0.3899

Square

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



29.9136, 0.3148, 0.2848



29.9136, 0.3804, 0.3604



29.9136, 0.3078, 0.3796



29.9136, 0.2493, 0.2924

Rectangle

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



29.9136, 0.3148, 0.2848



29.9136, 0.3666, 0.3234



29.9136, 0.3078, 0.3796



29.9136, 0.2611, 0.3312

Sweetspot

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



29.9149, 0.3148, 0.2848



67.2397, 0.3133, 0.3169



26.8589, 0.2833, 0.2804



14.8309, 0.3134, 0.3152



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.9149, 0.3148, 0.2848



50.6746, 0.3153, 0.2746



29.3629, 0.3306, 0.3064



7.6666, 0.3138, 0.3068



8.4201, 0.3210, 0.1542



0.2049, 0.3210, 0.1542

Inverse Universe

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



29.9149, 0.3148, 0.2848



50.6746, 0.3153, 0.2746



36.5884, 0.2979, 0.3528



7.6666, 0.3138, 0.3068



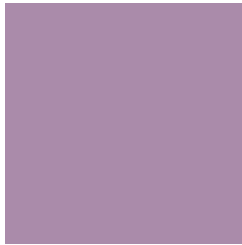
8.4201, 0.3210, 0.1542



0.2049, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.9136, 0.3148, 0.2848 looks on a white background.

Color Contrast Check

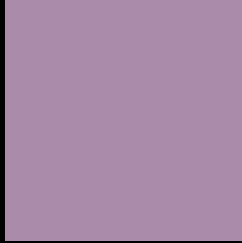
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9136, 0.3148, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

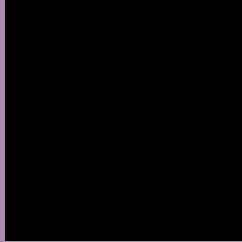
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9136, 0.3148, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 29.9136, 0.3148, 0.2848.



This preview shows how white text looks on a background with the Yxy color 29.9136, 0.3148, 0.2848.

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

29.9136, 0.3148, 0.2848

Protanopia

30.1540, 0.2827, 0.2865

Deuteranopia

29.9854, 0.2992, 0.2931



Tritanopia

29.9707, 0.3296, 0.3128

Trichromacy



Original Color

29.9136, 0.3148, 0.2848

Protanomaly

30.0791, 0.2937, 0.2859

Deuteranomaly

29.9831, 0.3053, 0.2907

Tritanomaly

29.9880, 0.3246, 0.3028

Monochromacy



Original Color

29.9136, 0.3148, 0.2848

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7416, 0.3136, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9136, 0.3148, 0.2848 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(170, 139, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 139, 170)  
}
```

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(170, 139, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 139, 170) }
```

Border

The CSS property to change the border of an element to Yxy 29.9136, 0.3148, 0.2848 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(170, 139, 170) }
```

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

```
.border{ border-color:rgb(170, 139, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 139, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 139, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 139, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 139,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9136, 0.3148, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 139, 170) }
```

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

```
.background{ background-color: rgb(170,  
139, 170) }
```

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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