

Converting Colors

$Y_{xy}(28.2122, 0.3146, 0.2650)$

Have a look what the booklet for
Yxy(28.2122, 0.3146, 0.2650)
contains.

Yxy(28.2138, 0.3146, 0.2650)	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(28.2138, 0.3146, 0.2650)

Conversions

Conversions Part 1

Format	Color
Hex	AF82B0
RGB	175, 130, 176
RGB Percent	69%, 51%, 69%
CMY	0.3138, 0.4901, 0.3098
CMYK	0.01, 0.26, 0.00, 0.31
HSL	299°, 23%, 60%
HSV	299°, 26%, 69%
XYZ	33.4946, 28.2138, 44.7588
YIQ	148.6990, 12.0540, 23.8460

Conversions

Conversions Part 2

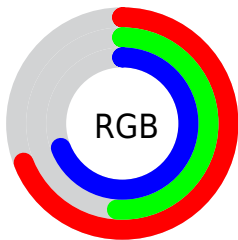
Format	Color
RYB	175, 130, 176
Decimal	11502256
CIELab	60.08, 25.23, -17.53
CIELCh	60, 30.726, 325.204
Yxy	28.2138, 0.3146, 0.2650
Android (android.graphics.Color)	4289692336 (0xFFAF82B0)
YUV	148.6990, 13.4594, 23.0660
Hunter-Lab	53.1167, 19.6053, -12.7791

Details

The Yxy color **28.2138, 0.3146, 0.2650** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.4952, 0.3102, 0.4021**, and the grayscale version is **29.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6821, 0.3144, 0.2765**, and **11.3050, 0.3150, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **23.8801, 0.3152, 0.2408**, and if you desaturate by 10%, it is **33.3511, 0.3139, 0.2898**.

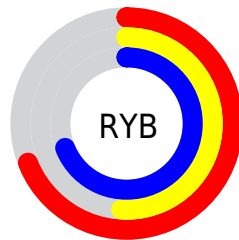
Distribution



Red (69%)

Green (51%)

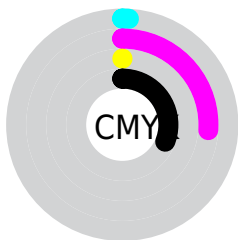
Blue (69%)



Red (69%)

Yellow (51%)

Blue (69%)

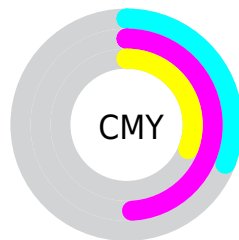


Cyan (1%)

Magenta (26%)

Yellow (0%)

Black (31%)



Cyan (31%)


Magenta (49%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2138, 0.3146, 0.2650 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 28.2138, 0.3146, 0.2650 by changing the saturation by 10% instead.


 28.2138, 0.3146,
0.2650


 28.2138, 0.3146,
0.2650


293.4871, 0.3142,
0.2980


 18.4869, 0.3145,
0.2565


 56.8256, 0.3146,
0.2772

 11.3001, 0.3141,
0.2454


 76.4793, 0.3146,
0.2817

 6.2691, 0.3134,
0.2304


 100.2107, 0.3145,
0.2855

 3.0094, 0.3118,
0.2090

128.4042, 0.3145,
0.2887

 1.1366, 0.3078,
0.1764

161.4442, 0.3144,
0.2915

 0.0090, 0.3295,
0.0048

199.7151, 0.3144,

 0.0000, 0.0000,

0.2940

0.0000

243.6013, 0.3143,
0.2961

■ 28.2138, 0.3146,
0.2650

■ 28.2138, 0.3146,
0.2650

■ 23.8801, 0.3152,
0.2408

■ 33.3511, 0.3139,
0.2898

■ 20.3054, 0.3157,
0.2180

■ 39.3260, 0.3132,
0.3143

■ 17.4468, 0.3160,
0.1975

■ 46.1753, 0.3124,
0.3381

■ 15.2551, 0.3162,
0.1803

■ 53.9323, 0.3117,
0.3606

■ 13.6755, 0.3161,
0.1669

■ 62.6288, 0.3109,
0.3816

■ 12.6441, 0.3159,
0.1578

■ 72.2949, 0.3102,
0.4009

■ 12.0768, 0.3155,
0.1526

■ 82.9592, 0.3095,
0.4187

■ 11.9117, 0.3153,
0.1511

■ 84.1364, 0.3097,
0.4203

■ 84.1833, 0.3099,
0.4202

Harmonies

Analogous

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



28.2138, 0.2667, 0.2496



28.2138, 0.3146, 0.2650



28.2138, 0.3658, 0.2944

Triad

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



28.2138, 0.3146, 0.2650



28.2138, 0.3950, 0.4059



28.2138, 0.2294, 0.3148

Complementary

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



28.2138, 0.3146, 0.2650



37.4952, 0.3102, 0.4021

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.



28.2138, 0.2590, 0.3657



28.2138, 0.3146, 0.2650



28.2138, 0.3543, 0.4212

Square

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



28.2138, 0.3146, 0.2650



28.2138, 0.4139, 0.3725



28.2138, 0.3044, 0.4072



28.2138, 0.2207, 0.2738

Rectangle

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



28.2138, 0.3146, 0.2650



28.2138, 0.3934, 0.3192



28.2138, 0.3044, 0.4072



28.2138, 0.2371, 0.3314

Sweetspot

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



28.2150, 0.3146, 0.2650



69.0156, 0.3133, 0.3094



24.2619, 0.2687, 0.2583



14.5979, 0.3134, 0.3058



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.



28.2150, 0.3146, 0.2650



46.7380, 0.3149, 0.2518



27.5514, 0.3388, 0.2938



8.6368, 0.3134, 0.3065



8.7425, 0.3154, 0.1511



0.2781, 0.3170, 0.1520

Inverse Universe

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



26.8401, 0.3661, 0.3276



43.8518, 0.3815, 0.3273



38.0509, 0.2929, 0.3672



8.5083, 0.3284, 0.3285



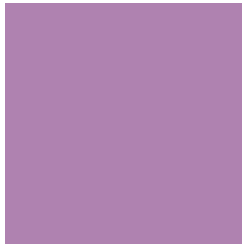
6.7798, 0.6371, 0.3283



0.2143, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 28.2138, 0.3146, 0.2650 looks on a white background.

Color Contrast Check

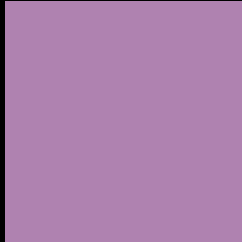
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2138, 0.3146, 0.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

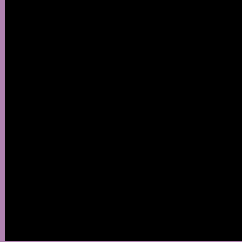
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2138, 0.3146, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 28.2138, 0.3146, 0.2650.



This preview shows how white text looks on a background with the Yxy color 28.2138, 0.3146, 0.2650.

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

28.2138, 0.3146, 0.2650

Protanopia

28.2160, 0.2668, 0.2650

Deuteranopia

28.4217, 0.2859, 0.2803



Tritanopia

28.3416, 0.3414, 0.3143

Trichromacy



Original Color

28.2138, 0.3146, 0.2650

Protanomaly

27.9439, 0.2825, 0.2638

Deuteranomaly

28.3400, 0.2956, 0.2744

Tritanomaly

28.2552, 0.3309, 0.2957

Monochromacy



Original Color

28.2138, 0.3146, 0.2650

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.1183, 0.3129, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2138, 0.3146, 0.2650 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(175, 130, 176)` looks like.

```
.text, #text, p{  
  color:rgb(175, 130, 176)  
}
```

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(175, 130, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 130, 176) }
```

Border

The CSS property to change the border of an element to Yxy 28.2138, 0.3146, 0.2650 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(175, 130, 176) }
```

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

```
.border{ border-color:rgb(175, 130, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 130, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 130, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 130, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 130,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2138, 0.3146, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 130, 176) }
```

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

```
.background{ background-color: rgb(175,  
130, 176) }
```

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