

Converting Colors

$Y_{xy}(28.0375, 0.3117, 0.2775)$

Have a look what the booklet for
Yxy(28.0375, 0.3117, 0.2775)
contains.

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Color

Yxy(28.0218, 0.3119, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	A686A9
RGB	166, 134, 169
RGB Percent	65%, 53%, 66%
CMY	0.3489, 0.4745, 0.3373
CMYK	0.02, 0.21, 0.00, 0.34
HSL	295°, 17%, 59%
HSV	295°, 21%, 66%
XYZ	31.4162, 28.0218, 41.2873
YIQ	147.5580, 7.8370, 17.6690

Conversions

Conversions Part 2

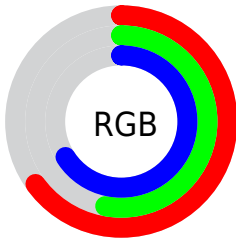
Format	Color
RYB	166, 134, 169
Decimal	10913449
CIELab	59.91, 18.52, -13.88
CIELCh	60, 23.143, 323.137
Yxy	28.0218, 0.3119, 0.2782
Android (android.graphics.Color)	4289103529 (0xFFA686A9)
YUV	147.5580, 10.5709, 16.1736
Hunter-Lab	52.9356, 13.2989, -9.1885

Details

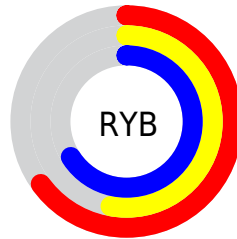
The Yxy color **28.0218, 0.3119, 0.2782** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.4114, 0.3128, 0.3846**, and the grayscale version is **29.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2946, 0.3122, 0.2879**, and **11.2024, 0.3111, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **23.5649, 0.3112, 0.2531**, and if you desaturate by 10%, it is **33.2294, 0.3124, 0.3031**.

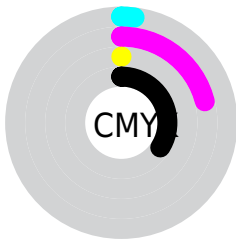
Distribution



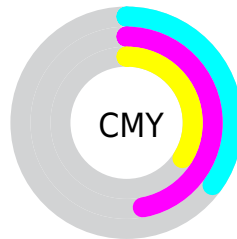
- Red (65%)
- Green (53%)
- Blue (66%)



- Red (65%)
- Yellow (53%)
- Blue (66%)



- Cyan (2%)
- Magenta (21%)
- Yellow (0%)
- Black (34%)





- Cyan (35%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0218, 0.3119, 0.2782 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 28.0218, 0.3119, 0.2782 by changing the saturation by 10% instead.


 28.0218, 0.3119,
0.2782


 28.0218, 0.3119,
0.2782


292.5711, 0.3127,
0.3047


 18.3421, 0.3115,
0.2712


 56.5192, 0.3123,
0.2881

 11.1959, 0.3109,
0.2620


 76.1058, 0.3124,
0.2918

 6.1987, 0.3099,
0.2493


 99.7634, 0.3125,
0.2948

 2.9663, 0.3080,
0.2308

127.8764, 0.3126,
0.2974

 1.1142, 0.3037,
0.2017

160.8293, 0.3126,
0.2996

 0.0000, 0.3155,
0.0000

199.0065, 0.3127,

 0.0000, 0.0000,

0.3016

0.0000

242.7922, 0.3127,
0.3032

■ 28.0218, 0.3119,
0.2782

■ 28.0218, 0.3119,
0.2782

■ 23.5649, 0.3112,
0.2531

■ 33.2294, 0.3124,
0.3031

■ 19.8196, 0.3102,
0.2288

■ 39.2170, 0.3127,
0.3273

■ 16.7489, 0.3089,
0.2060

■ 46.0170, 0.3128,
0.3503

■ 14.3109, 0.3074,
0.1857

■ 53.6587, 0.3128,
0.3718

■ 12.4592, 0.3057,
0.1689

■ 62.1700, 0.3127,
0.3917

■ 11.1407, 0.3038,
0.1561

■ 71.5775, 0.3125,
0.4099

■ 10.2930, 0.3018,
0.1476

■ 81.9067, 0.3123,
0.4264

■ 9.7992, 0.2998,
0.1425

■ 83.7903, 0.3130,
0.4287

■ 83.9602, 0.3138,
0.4285

Harmonies

Analogous

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



28.0218, 0.2757, 0.2672



28.0218, 0.3119, 0.2782



28.0218, 0.3505, 0.3008

Triad

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



28.0218, 0.3119, 0.2782



28.0218, 0.3771, 0.3869



28.0218, 0.2499, 0.3217

Complementary

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



28.0218, 0.3119, 0.2782



35.4114, 0.3128, 0.3846

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.



28.0218, 0.2743, 0.3590



28.0218, 0.3119, 0.2782



28.0218, 0.3476, 0.3980

Square

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



28.0218, 0.3119, 0.2782



28.0218, 0.3893, 0.3616



28.0218, 0.3098, 0.3882



28.0218, 0.2416, 0.2895

Rectangle

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



28.0218, 0.3119, 0.2782



28.0218, 0.3716, 0.3202



28.0218, 0.3098, 0.3882



28.0218, 0.2564, 0.3341

Sweetspot

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



28.0230, 0.3119, 0.2782



64.2750, 0.3126, 0.3144



25.9646, 0.2792, 0.2787



13.8670, 0.3125, 0.3129



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.0230, 0.3119, 0.2782



46.2454, 0.3116, 0.2663



27.8497, 0.3297, 0.2981



7.6338, 0.3125, 0.3067



7.3150, 0.3000, 0.1427



0.1871, 0.3074, 0.1467

Inverse Universe

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



27.2884, 0.3497, 0.3246



44.6972, 0.3608, 0.3236



35.5808, 0.2988, 0.3620



7.5523, 0.3273, 0.3271



6.3145, 0.6284, 0.3235



0.1567, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 28.0218, 0.3119, 0.2782 looks on a white background.

Color Contrast Check

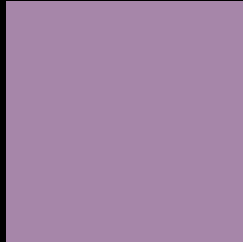
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0218, 0.3119, 0.2782 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 28.0218, 0.3119, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 28.0218, 0.3119, 0.2782.



This preview shows how white text looks on a background with the Yxy color 28.0218, 0.3119, 0.2782.

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

28.0218, 0.3119, 0.2782

Protanopia

28.0584, 0.2775, 0.2794

Deuteranopia

28.0800, 0.2931, 0.2875



Tritanopia

28.1016, 0.3299, 0.3139

Trichromacy



Original Color

28.0218, 0.3119, 0.2782

Protanomaly

28.0692, 0.2895, 0.2790

Deuteranomaly

27.8741, 0.3001, 0.2838

Tritanomaly

28.1841, 0.3228, 0.3007

Monochromacy



Original Color

28.0218, 0.3119, 0.2782

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.0138, 0.3126, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0218, 0.3119, 0.2782 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, 134, 169)` looks like.

```
.text, #text, p{  
    color:rgb(166, 134, 169)  
}
```

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, 134, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 134, 169) }
```

Border

The CSS property to change the border of an element to Yxy 28.0218, 0.3119, 0.2782 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, 134, 169) }
```

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

```
.border{ border-color:rgb(166, 134, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 134, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 134, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 134, 169); box-shadow:4px 4px 4px 4px rgb(166, 134, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0218, 0.3119, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 134, 169) }
```

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

```
.background{ background-color: rgb(166,  
134, 169) }
```

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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