

Converting Colors

$Yxy(29.6803, 0.3126, 0.2954)$

Have a look what the booklet for
Yxy(29.6803, 0.3126, 0.2954)
contains.

Yxy(29.8129, 0.3132, 0.2966)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8129, 0.3132, 0.2966)

Conversions

Conversions Part 1

Format	Color
Hex	A38EA4
RGB	163, 142, 164
RGB Percent	64%, 56%, 64%
CMY	0.3607, 0.4432, 0.3568
CMYK	0.01, 0.13, 0.00, 0.36
HSL	297°, 11%, 60%
HSV	297°, 13%, 64%
XYZ	31.4815, 29.8129, 39.2212
YIQ	150.7870, 5.4540, 11.2940

Conversions

Conversions Part 2

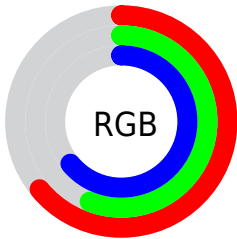
Format	Color
RYB	163, 142, 164
Decimal	10718884
CIELab	61.49, 11.93, -8.70
CIElCh	61, 14.761, 323.904
Yxy	29.8129, 0.3132, 0.2966
Android (android.graphics.Color)	4288908964 (0xFFA38EA4)
YUV	150.7870, 6.5140, 10.7108
Hunter-Lab	54.6012, 7.3658, -4.3684

Details

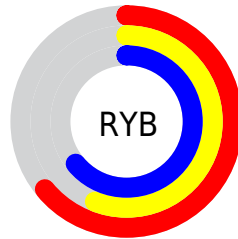
The Yxy color $29.8129, 0.3132, 0.2966$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $34.3456, 0.3120, 0.3635$, and the grayscale version is $30.8231, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.4998, 0.3131, 0.3033$, and $12.2037, 0.3132, 0.2872$ is the 20% darker color. If you saturate the color by 10%, you get $25.2100, 0.3134, 0.2718$, and if you desaturate by 10%, it is $35.1369, 0.3129, 0.3209$.

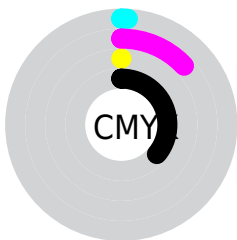
Distribution



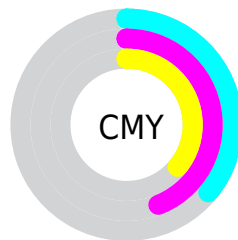
- Red (64%)
- Green (56%)
- Blue (64%)



- Red (64%)
- Yellow (56%)
- Blue (64%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8129, 0.3132, 0.2966 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 29.8129, 0.3132, 0.2966 by changing the saturation by 10% instead.


 29.8129, 0.3132,
0.2966


 29.8129, 0.3132,
0.2966


301.0314, 0.3131,
0.3136

 19.6966, 0.3132,
0.2921


 59.3662, 0.3132,
0.3030

 12.1747, 0.3131,
0.2861


 79.5719, 0.3132,
0.3053

 6.8628, 0.3129,
0.2778


 103.9097, 0.3132,
0.3073

 3.3764, 0.3124,
0.2655

132.7637, 0.3132,
0.3089

 1.3313, 0.3112,
0.2456

166.5185, 0.3132,
0.3104

 0.1652, 0.3198,
0.1179

205.5585, 0.3131,

 0.0000, 0.0000,

0.3116

0.0000

250.2680, 0.3131,
0.3127

■ 29.8129, 0.3132,
0.2966

■ 29.8129, 0.3132,
0.2966

■ 25.2100, 0.3134,
0.2718

■ 35.1369, 0.3129,
0.3209

■ 21.2932, 0.3136,
0.2473

■ 41.2074, 0.3124,
0.3442

■ 18.0301, 0.3135,
0.2238

■ 48.0536, 0.3120,
0.3662

■ 15.3844, 0.3133,
0.2023

■ 55.7015, 0.3115,
0.3866

■ 13.3163, 0.3128,
0.1837

■ 64.1763, 0.3110,
0.4053

■ 11.7810, 0.3122,
0.1687

■ 73.5020, 0.3104,
0.4225

■ 10.7277, 0.3114,
0.1578

■ 82.5457, 0.3100,
0.4364

■ 10.0951, 0.3105,
0.1511

■ 82.6270, 0.3105,
0.4362

■ 9.8118, 0.3098,
0.1480

■ 82.7088, 0.3109,
0.4361

Harmonies

Analogous

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



29.8129, 0.2901, 0.2894



29.8129, 0.3132, 0.2966



29.8129, 0.3370, 0.3116

Triad

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



29.8129, 0.3132, 0.2966



29.8129, 0.3528, 0.3660



29.8129, 0.2725, 0.3245

Complementary

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



29.8129, 0.3132, 0.2966



34.3456, 0.3120, 0.3635

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.



29.8129, 0.2882, 0.3470



29.8129, 0.3132, 0.2966



29.8129, 0.3345, 0.3716

Square

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



29.8129, 0.3132, 0.2966



29.8129, 0.3603, 0.3510



29.8129, 0.3108, 0.3647



29.8129, 0.2673, 0.3044

Rectangle

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



29.8129, 0.3132, 0.2966



29.8129, 0.3498, 0.3244



29.8129, 0.3108, 0.3647



29.8129, 0.2767, 0.3321

Sweetspot

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



29.8142, 0.3132, 0.2966



63.0992, 0.3129, 0.3193



28.1053, 0.2918, 0.2962



13.6334, 0.3129, 0.3176



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.8142, 0.3132, 0.2966



51.5738, 0.3133, 0.2895



29.5750, 0.3241, 0.3110



7.1859, 0.3131, 0.3068



7.5279, 0.3099, 0.1481



0.1628, 0.3142, 0.1504

Inverse Universe

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



29.2212, 0.3356, 0.3276



50.2952, 0.3415, 0.3272



34.5685, 0.3027, 0.3477



7.0909, 0.3278, 0.3280



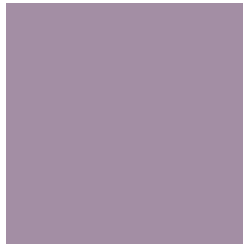
6.0659, 0.6338, 0.3265



0.1289, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 29.8129, 0.3132, 0.2966 looks on a white background.

Color Contrast Check

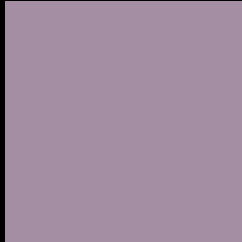
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8129, 0.3132, 0.2966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

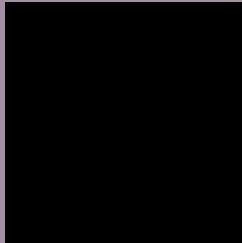
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8129, 0.3132, 0.2966

Background



This preview shows how black text looks on a background with the Yxy color 29.8129, 0.3132, 0.2966.



This preview shows how white text looks on a background with the Yxy color 29.8129, 0.3132, 0.2966.

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

29.8129, 0.3132, 0.2966

Protanopia

29.7684, 0.2932, 0.2983

Deuteranopia

29.9991, 0.3059, 0.3005



Tritanopia

29.9945, 0.3209, 0.3126

Trichromacy



Original Color

29.8129, 0.3132, 0.2966

Protanomaly

29.6794, 0.3000, 0.2972

Deuteranomaly

29.9978, 0.3090, 0.2992

Tritanomaly

29.7949, 0.3180, 0.3067

Monochromacy



Original Color

29.8129, 0.3132, 0.2966

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.5487, 0.3123, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8129, 0.3132, 0.2966 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(163, 142, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 142, 164)  
}
```

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(163, 142, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 142, 164) }
```

Border

The CSS property to change the border of an element to Yxy 29.8129, 0.3132, 0.2966 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(163, 142, 164) }
```

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

```
.border{ border-color:rgb(163, 142, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 142, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 142, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 142, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 142,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8129, 0.3132, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 142, 164) }
```

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

```
.background{ background-color: rgb(163,  
142, 164) }
```

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