

Converting Colors

$Yxy(16.9205, 0.3149, 0.2826)$

Have a look what the booklet for
Yxy(16.9205, 0.3149, 0.2826)
contains.

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Color

Yxy(16.8795, 0.3149, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	846A84
RGB	132, 106, 132
RGB Percent	52%, 42%, 52%
CMY	0.4823, 0.5843, 0.4823
CMYK	0.00, 0.20, 0.00, 0.48
HSL	300°, 11%, 47%
HSV	300°, 20%, 52%
XYZ	18.8354, 16.8795, 24.0990
YIQ	116.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

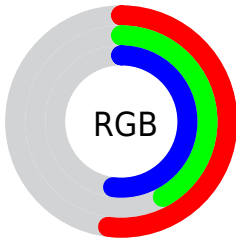
Format	Color
RYB	132, 106, 132
Decimal	8678020
CIELab	48.11, 15.18, -10.45
CIELCh	48, 18.428, 325.461
Yxy	16.8795, 0.3149, 0.2822
Android (android.graphics.Color)	4286868100 (0xFF846A84)
YUV	116.7380, 7.5242, 13.3848
Hunter-Lab	41.0847, 9.9358, -6.0185

Details

The Yxy color **16.8795, 0.3149, 0.2822** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.6110, 0.3103, 0.3807**, and the grayscale version is **17.6791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9310, 0.3144, 0.2922**, and **5.5463, 0.3137, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **14.3652, 0.3160, 0.2583**, and if you desaturate by 10%, it is **19.8141, 0.3138, 0.3062**.

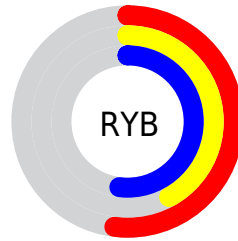
Distribution



Red (52%)

Green (42%)

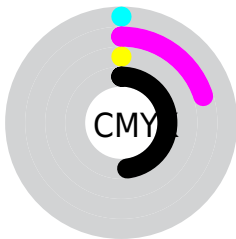
Blue (52%)



Red (52%)

Yellow (42%)

Blue (52%)

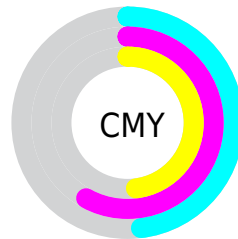


Cyan (0%)

Magenta (20%)

Yellow (0%)

Black (48%)



Cyan (48%)


Magenta (58%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8795, 0.3149, 0.2822 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 16.8795, 0.3149, 0.2822 by changing the saturation by 10% instead.


 16.8795, 0.3149,
0.2822


 16.8795, 0.3149,
0.2822

234.4770, 0.3140,
0.3087


 10.1486, 0.3150,
0.2743


 38.1185, 0.3146,
0.2927


 5.4976, 0.3150,
0.2632


 53.3954, 0.3145,
0.2964

 2.5421, 0.3148,
0.2466

 72.2897, 0.3144,
0.2994

 0.8976, 0.3135,
0.2191

 95.1859, 0.3143,
0.3019

 0.0000, 0.2545,
0.0000

122.4683, 0.3142,
0.3040

 0.0000, 0.0000,
0.0000

154.5214, 0.3141,

0.3058

191.7295, 0.3140,
0.3073

■ 16.8795, 0.3149,
0.2822

■ 16.8795, 0.3149,
0.2822

■ 14.3652, 0.3160,
0.2583

■ 19.8141, 0.3138,
0.3062

■ 12.2500, 0.3171,
0.2351

■ 23.1848, 0.3127,
0.3297

■ 10.5140, 0.3181,
0.2137

■ 27.0090, 0.3116,
0.3521

■ 9.1347, 0.3190,
0.1948

■ 31.3028, 0.3106,
0.3733

■ 8.0875, 0.3197,
0.1791

■ 36.0813, 0.3097,
0.3930

7.3443, 0.3202,
0.1672

41.3590, 0.3089,
0.4111

6.8728, 0.3206,
0.1593

47.1498, 0.3081,
0.4276

6.5777, 0.3208,
0.1543

53.4671, 0.3074,
0.4426

6.5692, 0.3208,
0.1541

60.3236, 0.3068,
0.4562

Harmonies

Analogous

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



16.8795, 0.2802, 0.2708



16.8795, 0.3149, 0.2822



16.8795, 0.3509, 0.3044

Triad

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



16.8795, 0.3149, 0.2822



16.8795, 0.3718, 0.3851



16.8795, 0.2521, 0.3196

Complementary

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



16.8795, 0.3149, 0.2822



20.6110, 0.3103, 0.3807

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.



16.8795, 0.2742, 0.3547



16.8795, 0.3149, 0.2822



16.8795, 0.3431, 0.3939

Square

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



16.8795, 0.3149, 0.2822



16.8795, 0.3847, 0.3621



16.8795, 0.3073, 0.3831



16.8795, 0.2455, 0.2900

Rectangle

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



16.8795, 0.3149, 0.2822



16.8795, 0.3701, 0.3230



16.8795, 0.3073, 0.3831



16.8795, 0.2579, 0.3312

Sweetspot

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



16.8802, 0.3149, 0.2822



36.9251, 0.3134, 0.3147



15.1283, 0.2815, 0.2782



8.5251, 0.3134, 0.3134



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.8802, 0.3149, 0.2822



27.4984, 0.3154, 0.2706



16.5572, 0.3313, 0.3042



4.7628, 0.3137, 0.3076



6.3594, 0.3208, 0.1541



0.0220, 0.3209, 0.1541

Inverse Universe

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



16.2555, 0.3497, 0.3291



26.1734, 0.3614, 0.3291



20.8916, 0.2975, 0.3552



4.6887, 0.3279, 0.3290



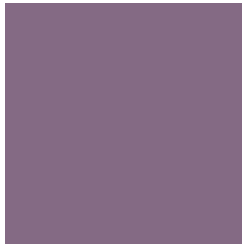
4.7499, 0.6400, 0.3299



0.0165, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 16.8795, 0.3149, 0.2822 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8795, 0.3149, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

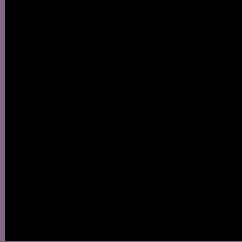
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8795, 0.3149, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 16.8795, 0.3149, 0.2822.



This preview shows how white text looks on a background with the Yxy color 16.8795, 0.3149, 0.2822.

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

16.8795, 0.3149, 0.2822

Protanopia

16.8676, 0.2805, 0.2828

Deuteranopia

16.8591, 0.2978, 0.2910



Tritanopia

16.9675, 0.3311, 0.3141

Trichromacy



Original Color

16.8795, 0.3149, 0.2822

Protanomaly

16.6830, 0.2920, 0.2818

Deuteranomaly

16.7869, 0.3042, 0.2879

Tritanomaly

16.9556, 0.3261, 0.3032

Monochromacy



Original Color

16.8795, 0.3149, 0.2822

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3530, 0.3135, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8795, 0.3149, 0.2822 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(132, 106, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 106, 132)  
}
```

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(132, 106, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 106, 132) }
```

Border

The CSS property to change the border of an element to Yxy 16.8795, 0.3149, 0.2822 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(132, 106, 132) }
```

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

```
.border{ border-color:rgb(132, 106, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 106, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 106, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 106, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 106,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8795, 0.3149, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 106, 132) }
```

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

```
.background{ background-color: rgb(132,  
106, 132) }
```

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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