

Converting Colors

$Y_{xy}(18.8470, 0.2965, 0.2650)$

Have a look what the booklet for
Yxy(18.8470, 0.2965, 0.2650)
contains.

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Color

Yxy(18.8587, 0.2961, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	867096
RGB	134, 112, 150
RGB Percent	53%, 44%, 59%
CMY	0.4744, 0.5608, 0.4117
CMYK	0.11, 0.25, 0.00, 0.41
HSL	275°, 15%, 51%
HSV	275°, 25%, 59%
XYZ	21.1357, 18.8587, 31.3860
YIQ	122.9100, 0.9140, 16.4820

Conversions

Conversions Part 2

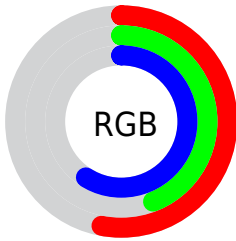
Format	Color
RYB	134, 112, 150
Decimal	8810646
CIELab	50.52, 16.19, -17.42
CIELCh	51, 23.785, 312.899
Yxy	18.8587, 0.2961, 0.2642
Android (android.graphics.Color)	4287000726 (0xFF867096)
YUV	122.9100, 13.3554, 9.7259
Hunter-Lab	43.4266, 10.8794, -12.4524

Details

The Yxy color $18.8587, 0.2961, 0.2642$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $27.5733, 0.3259, 0.3953$, and the grayscale version is $19.7326, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.6019, 0.3008, 0.2786$, and $6.4525, 0.2885, 0.2404$ is the 20% darker color. If you saturate the color by 10%, you get $15.3179, 0.2877, 0.2364$, and if you desaturate by 10%, it is $22.9835, 0.3034, 0.2910$.

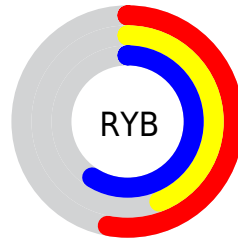
Distribution



Red (53%)

Green (44%)

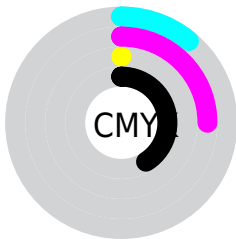
Blue (59%)



Red (53%)

Yellow (44%)

Blue (59%)

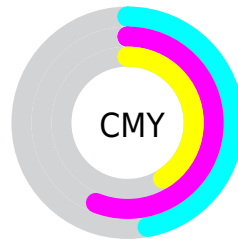


Cyan (11%)

Magenta (25%)

Yellow (0%)

Black (41%)



Cyan (47%)


Magenta (56%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8587, 0.2961, 0.2642 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 18.8587, 0.2961, 0.2642 by changing the saturation by 10% instead.


 18.8587, 0.2961,
0.2642


 18.8587, 0.2961,
0.2642


245.6676, 0.3061,
0.2999


 11.5682, 0.2929,
0.2540


 41.4952, 0.3002,
0.2781

 6.4504, 0.2882,
0.2402


 57.6100, 0.3016,
0.2830

 3.1208, 0.2808,
0.2202

 77.4351, 0.3027,
0.2871

 1.1951, 0.2677,
0.1893

 101.3547, 0.3036,
0.2905

 0.0577, 0.2467,
0.0316

129.7534, 0.3044,
0.2934

 0.0000, 0.0000,
0.0000

163.0155, 0.3051,

0.2959

201.5255, 0.3056,
0.2980

■ 18.8587, 0.2961,
0.2642

■ 18.8587, 0.2961,
0.2642

■ 15.3179, 0.2877,
0.2364

■ 22.9835, 0.3034,
0.2910

■ 12.3309, 0.2783,
0.2084

■ 27.7158, 0.3097,
0.3162

■ 9.8683, 0.2681,
0.1812

■ 33.0809, 0.3151,
0.3396

■ 7.8969, 0.2572,
0.1560

■ 39.1016, 0.3196,
0.3611

■ 6.3797, 0.2461,
0.1341

■ 45.7998, 0.3233,
0.3805

■ 5.2741, 0.2352,
0.1166

■ 53.1963, 0.3263,
0.3981

■ 4.5233, 0.2249,
0.1039

■ 61.3110, 0.3288,
0.4138

■ 4.2278, 0.2202,
0.0987

■ 70.1629, 0.3308,
0.4280

■ 79.7705, 0.3325,
0.4406

Harmonies

Analogous

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



18.8587, 0.2578, 0.2567



18.8587, 0.2961, 0.2642



18.8587, 0.3419, 0.2861

Triad

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



18.8587, 0.2961, 0.2642



18.8587, 0.3956, 0.3872



18.8587, 0.2472, 0.3350

Complementary

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



18.8587, 0.2961, 0.2642



27.5733, 0.3259, 0.3953

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.



18.8587, 0.2806, 0.3783



18.8587, 0.2961, 0.2642



18.8587, 0.3665, 0.4079

Square

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



18.8587, 0.2961, 0.2642



18.8587, 0.4017, 0.3541



18.8587, 0.3242, 0.4061



18.8587, 0.2312, 0.2936

Rectangle

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



18.8587, 0.2961, 0.2642



18.8587, 0.3700, 0.3066



18.8587, 0.3242, 0.4061



18.8587, 0.2567, 0.3501

Sweetspot

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



18.8595, 0.2961, 0.2642



46.4456, 0.3081, 0.3093



21.2066, 0.2732, 0.2902



10.0299, 0.3072, 0.3058



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



18.8595, 0.2961, 0.2642



29.8748, 0.2918, 0.2497



20.1927, 0.3186, 0.2717



5.7890, 0.3074, 0.3067



3.5249, 0.2209, 0.0991



0.0605, 0.2661, 0.1240

Inverse Universe

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



19.6287, 0.3430, 0.3023



31.4968, 0.3512, 0.2965



26.4880, 0.3072, 0.3939



5.8534, 0.3221, 0.3197



5.6818, 0.5238, 0.2659



0.0752, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 18.8587, 0.2961, 0.2642 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 18.8587, 0.2961, 0.2642 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 18.8587, 0.2961, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 18.8587, 0.2961, 0.2642.



This preview shows how white text looks on a background with the Yxy color 18.8587, 0.2961, 0.2642.

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

18.8587, 0.2961, 0.2642

Protanopia

18.9397, 0.2661, 0.2643

Deuteranopia

18.9783, 0.2791, 0.2734



Tritanopia

18.9748, 0.3186, 0.3127

Trichromacy



Original Color

18.8587, 0.2961, 0.2642

Protanomaly

18.7126, 0.2760, 0.2634

Deuteranomaly

18.9458, 0.2856, 0.2708

Tritanomaly

18.8360, 0.3094, 0.2933

Monochromacy



Original Color

18.8587, 0.2961, 0.2642

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3991, 0.3065, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8587, 0.2961, 0.2642 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(134, 112, 150)` looks like.

```
.text, #text, p{  
    color:rgb(134, 112, 150)  
}
```

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(134, 112, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 112, 150) }
```

Border

The CSS property to change the border of an element to Yxy 18.8587, 0.2961, 0.2642 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(134, 112, 150) }
```

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

```
.border{ border-color:rgb(134, 112, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 112, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 112, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 112, 150);  
box-shadow:4px 4px 4px 4px rgb(134, 112,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8587, 0.2961, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 112, 150) }
```

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

```
.background{ background-color: rgb(134,  
112, 150) }
```

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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