

Converting Colors

$Y_{xy}(16.8792, 0.2912, 0.2451)$

Have a look what the booklet for
Yxy(16.8792, 0.2912, 0.2451)
contains.

Yxy(16.8730, 0.2911, 0.2452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8730, 0.2911, 0.2452)

Conversions

Conversions Part 1

Format	Color
Hex	846798
RGB	132, 103, 152
RGB Percent	52%, 40%, 60%
CMY	0.4824, 0.5960, 0.4039
CMYK	0.13, 0.32, 0.00, 0.40
HSL	275°, 19%, 50%
HSV	275°, 32%, 60%
XYZ	20.0315, 16.8730, 31.9087
YIQ	117.2570, 1.5550, 21.3870

Conversions

Conversions Part 2

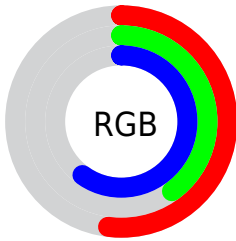
Format	Color
R _Y B	132, 103, 152
Decimal	8677272
CIE Lab	48.10, 21.26, -22.33
CIE LCh	48, 30.831, 313.595
Yxy	16.8730, 0.2911, 0.2452
Android (android.graphics.Color)	4286867352 (0xFF846798)
YUV	117.2570, 17.1283, 12.9296
Hunter-Lab	41.0768, 15.1631, -17.3031

Details

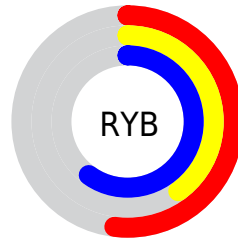
The Yxy color **16.8730, 0.2911, 0.2452** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.6509, 0.3285, 0.4157**, and the grayscale version is **17.8185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0065, 0.2974, 0.2632**, and **5.5618, 0.2806, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **13.6335, 0.2823, 0.2173**, and if you desaturate by 10%, it is **20.6935, 0.2989, 0.2727**.

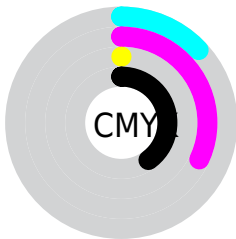
Distribution



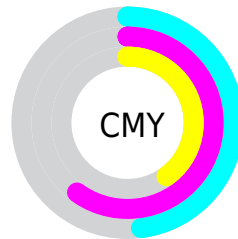
- Red (52%)
- Green (40%)
- Blue (60%)



- Red (52%)
- Yellow (40%)
- Blue (60%)



- Cyan (13%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)



- Cyan (48%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8730, 0.2911, 0.2452 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 16.8730, 0.2911, 0.2452 by changing the saturation by 10% instead.

■ 16.8730, 0.2911,
0.2452

■ 16.8730, 0.2911,
0.2452

■ 234.4395, 0.3044,
0.2914

■ 10.1440, 0.2867,
0.2321

■ 38.1073, 0.2967,
0.2631

■ 5.4945, 0.2801,
0.2144

■ 53.3814, 0.2985,
0.2695

■ 2.5402, 0.2697,
0.1892

■ 72.2726, 0.3000,
0.2747

■ 0.8967, 0.2511,
0.1511

■ 95.1653, 0.3012,
0.2791

■ 0.0000, 0.1877,
0.0000

■ 122.4440, 0.3022,
0.2829

■ 0.0000, 0.0000,
0.0000

154.4929, 0.3031,

0.2861

191.6966, 0.3038,
0.2889

■ 16.8730, 0.2911,
0.2452

■ 16.8730, 0.2911,
0.2452

■ 13.6335, 0.2823,
0.2173

■ 20.6935, 0.2989,
0.2727

■ 10.9426, 0.2725,
0.1898

■ 25.1208, 0.3057,
0.2990

■ 8.7677, 0.2621,
0.1641


■ 30.1821, 0.3115,
0.3237


■ 7.0720, 0.2513,
0.1413

■ 35.9018, 0.3164,
0.3466


■ 5.8136, 0.2406,
0.1225

■ 42.3032, 0.3205,
0.3674


 4.9429, 0.2303,
0.1085

 49.4086, 0.3239,
0.3863

 4.4351, 0.2226,
0.1000

 57.2391, 0.3267,
0.4034

 65.8148, 0.3289,
0.4187

 75.1554, 0.3307,
0.4324

Harmonies

Analogous

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



16.8730, 0.2409, 0.2345



16.8730, 0.2911, 0.2452



16.8730, 0.3527, 0.2735

Triad

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



16.8730, 0.2911, 0.2452



16.8730, 0.4222, 0.4047



16.8730, 0.2252, 0.3343

Complementary

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



16.8730, 0.2911, 0.2452



27.6509, 0.3285, 0.4157

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.



16.8730, 0.2677, 0.3956



16.8730, 0.2911, 0.2452



16.8730, 0.3817, 0.4349

Square

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



16.8730, 0.2911, 0.2452



16.8730, 0.4327, 0.3605



16.8730, 0.3249, 0.4346



16.8730, 0.2060, 0.2790

Rectangle

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



16.8730, 0.2911, 0.2452



16.8730, 0.3909, 0.2996



16.8730, 0.3249, 0.4346



16.8730, 0.2370, 0.3554

Sweetspot

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



16.8737, 0.2911, 0.2452



46.0661, 0.3070, 0.3042



19.4228, 0.2617, 0.2763



10.2198, 0.3062, 0.3009



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.8737, 0.2911, 0.2452



25.3853, 0.2845, 0.2242



18.5140, 0.3214, 0.2572



6.1977, 0.3076, 0.3066



3.7369, 0.2232, 0.1003



0.0771, 0.2664, 0.1241

Inverse Universe

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



17.8092, 0.3548, 0.2956



27.3978, 0.3688, 0.2876



26.4057, 0.3049, 0.4133



6.2624, 0.3223, 0.3199



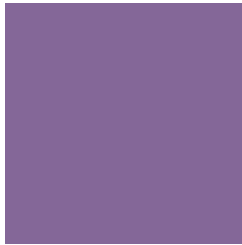
5.8958, 0.5289, 0.2687



0.0951, 0.4300, 0.2142

Previews

White Background



This preview shows how the Yxy color 16.8730, 0.2911, 0.2452 looks on a white background.

Color Contrast Check

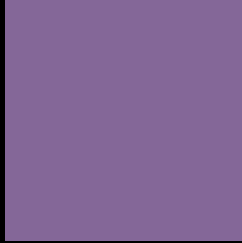
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8730, 0.2911, 0.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

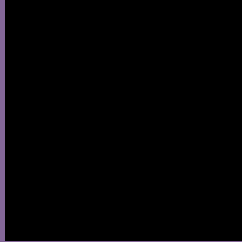
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8730, 0.2911, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 16.8730, 0.2911, 0.2452.



This preview shows how white text looks on a background with the Yxy color 16.8730, 0.2911, 0.2452.

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

16.8730, 0.2911, 0.2452

Protanopia

17.0228, 0.2502, 0.2445

Deuteranopia

16.8545, 0.2641, 0.2581



Tritanopia

16.9719, 0.3255, 0.3140

Trichromacy



Original Color

16.8730, 0.2911, 0.2452

Protanomaly

16.7823, 0.2643, 0.2444

Deuteranomaly

16.8165, 0.2725, 0.2528

Tritanomaly

16.7942, 0.3134, 0.2869

Monochromacy



Original Color

16.8730, 0.2911, 0.2452

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3376, 0.3040, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8730, 0.2911, 0.2452 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, 103, 152)` looks like.

```
.text, #text, p{  
    color:rgb(132, 103, 152)  
}
```

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, 103, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 103, 152) }
```

Border

The CSS property to change the border of an element to Yxy 16.8730, 0.2911, 0.2452 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, 103, 152) }
```

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

```
.border{ border-color:rgb(132, 103, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 103, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 103, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 103, 152);  
box-shadow:4px 4px 4px 4px rgb(132, 103,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8730, 0.2911, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 103, 152) }
```

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

```
.background{ background-color: rgb(132,  
103, 152) }
```

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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