

Converting Colors

$Y_{xy}(16.8683, 0.2890, 0.2238)$

Have a look what the booklet for
Yxy(16.8683, 0.2890, 0.2238)
contains.

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Color

Yxy(16.7692, 0.2885, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	8C61A3
RGB	140, 97, 163
RGB Percent	55%, 38%, 64%
CMY	0.4511, 0.6195, 0.3609
CMYK	0.14, 0.40, 0.00, 0.36
HSL	279°, 26%, 51%
HSV	279°, 40%, 64%
XYZ	21.6947, 16.7692, 36.7343
YIQ	117.3810, 4.4420, 29.6420

Conversions

Conversions Part 2

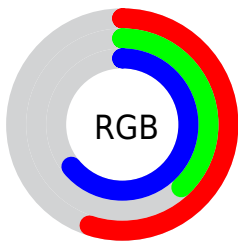
Format	Color
R _{YB}	140, 97, 163
Decimal	9200035
CIE Lab	47.97, 29.84, -28.94
CIE LCh	48, 41.573, 315.881
Yxy	16.7692, 0.2885, 0.2230
Android (android.graphics.Color)	4287390115 (0xFF8C61A3)
YUV	117.3810, 22.4902, 19.8369
Hunter-Lab	40.9502, 22.9032, -24.5209

Details

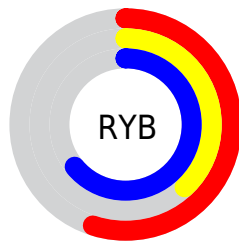
The Yxy color **16.7692, 0.2885, 0.2230** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **31.0470, 0.3279, 0.4426**, and the grayscale version is **17.8415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8439, 0.2955, 0.2444**, and **5.4190, 0.2749, 0.1864** is the 20% darker color. If you saturate the color by 10%, you get **13.5790, 0.2803, 0.1962**, and if you desaturate by 10%, it is **20.6051, 0.2958, 0.2504**.

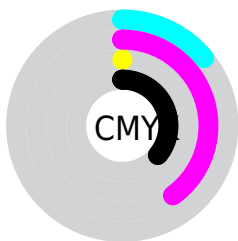
Distribution



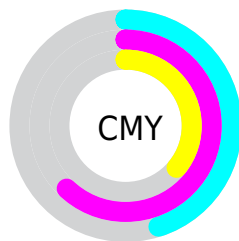
- Red (55%)
- Green (38%)
- Blue (64%)



- Red (55%)
- Yellow (38%)
- Blue (64%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (36%)





- Cyan (45%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7692, 0.2885, 0.2230 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 16.7692, 0.2885, 0.2230 by changing the saturation by 10% instead.


 16.7692, 0.2885,
0.2230


 16.7692, 0.2885,
0.2230


233.8388, 0.3038,
0.2801


 10.0701, 0.2833,
0.2075


 37.9285, 0.2950,
0.2447


 5.4454, 0.2757,
0.1870


 53.1575, 0.2971,
0.2526

 2.5109, 0.2636,
0.1590

 71.9986, 0.2988,
0.2591

 0.8821, 0.2426,
0.1192

 94.8361, 0.3002,
0.2646

 0.0000, 0.2024,
0.0000

122.0545, 0.3014,
0.2694

 0.0000, 0.0000,
0.0000

154.0382, 0.3023,

0.2734

191.1715, 0.3031,
0.2770

■ 16.7692, 0.2885,
0.2230

■ 16.7692, 0.2885,
0.2230

■ 13.5790, 0.2803,
0.1962

■ 20.6051, 0.2958,
0.2504

■ 10.9940, 0.2715,
0.1710

■ 25.1200, 0.3023,
0.2775

■ 8.9719, 0.2623,
0.1487

■ 30.3471, 0.3078,
0.3034

■ 7.4644, 0.2529,
0.1303

■ 36.3171, 0.3125,
0.3279

■ 6.4144, 0.2438,
0.1166

■ 43.0587, 0.3164,
0.3506

■ 5.7143, 0.2355,
0.1071

■ 50.5989, 0.3196,
0.3713

■ 58.9638, 0.3223,
0.3902

■ 68.1779, 0.3244,
0.4072

■ 78.2649, 0.3261,
0.4225

Harmonies

Analogous

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



16.7692, 0.2223, 0.2072



16.7692, 0.2885, 0.2230



16.7692, 0.3719, 0.2598

Triad

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



16.7692, 0.2885, 0.2230



16.7692, 0.4532, 0.4278



16.7692, 0.1944, 0.3273

Complementary

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



16.7692, 0.2885, 0.2230



31.0470, 0.3279, 0.4426

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.



16.7692, 0.2458, 0.4155



16.7692, 0.2885, 0.2230



16.7692, 0.3952, 0.4718

Square

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



16.7692, 0.2885, 0.2230



16.7692, 0.4741, 0.3697



16.7692, 0.3193, 0.4737



16.7692, 0.1741, 0.2554

Rectangle

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



16.7692, 0.2885, 0.2230



16.7692, 0.4235, 0.2930



16.7692, 0.3193, 0.4737



16.7692, 0.2082, 0.3567

Sweetspot

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



16.7699, 0.2885, 0.2230



52.6265, 0.3069, 0.2990



18.6456, 0.2463, 0.2513



11.5534, 0.3063, 0.2959



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.



16.7699, 0.2885, 0.2230



24.6158, 0.2808, 0.1976



18.6412, 0.3297, 0.2446



7.0779, 0.3084, 0.3065



4.4682, 0.2362, 0.1075



0.1186, 0.2682, 0.1251

Inverse Universe

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



17.6955, 0.3766, 0.2927



26.6755, 0.3995, 0.2846



29.7901, 0.2996, 0.4317



7.1249, 0.3233, 0.3212



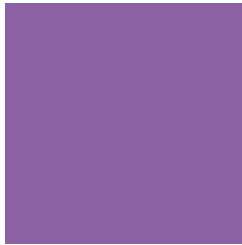
6.2882, 0.5534, 0.2822



0.1408, 0.4582, 0.2298

Previews

White Background



This preview shows how the Yxy color 16.7692, 0.2885, 0.2230 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 16.7692, 0.2885, 0.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

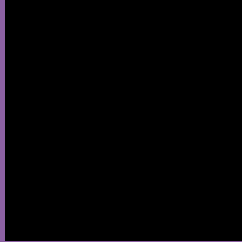
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7692, 0.2885, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 16.7692, 0.2885, 0.2230.



This preview shows how white text looks on a background with the Yxy color 16.7692, 0.2885, 0.2230.

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

16.7692, 0.2885, 0.2230

Protanopia

16.9076, 0.2299, 0.2178

Deuteranopia

16.9450, 0.2475, 0.2426



Tritanopia

16.7629, 0.3370, 0.3124

Trichromacy



Original Color

16.7692, 0.2885, 0.2230

Protanomaly

16.7069, 0.2477, 0.2187

Deuteranomaly

16.5993, 0.2604, 0.2336

Tritanomaly

16.6282, 0.3193, 0.2760

Monochromacy



Original Color

16.7692, 0.2885, 0.2230

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2331, 0.3032, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7692, 0.2885, 0.2230 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(140, 97, 163)` looks like.

```
.text, #text, p{  
    color:rgb(140, 97, 163)  
}
```

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(140, 97, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 97, 163) }
```

Border

The CSS property to change the border of an element to Yxy 16.7692, 0.2885, 0.2230 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(140, 97, 163) }
```

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

```
.border{ border-color:rgb(140, 97, 163) }
```

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

Here you see how a box with a 4 pixel rgb(140, 97, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 97, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 97, 163);  
box-shadow:4px 4px 4px 4px rgb(140, 97,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7692, 0.2885, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 97, 163) }
```

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

```
.background{ background-color: rgb(140, 97,  
163) }
```

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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