

Converting Colors

$Y_{xy}(16.2350, 0.2861, 0.2236)$

Have a look what the booklet for
Yxy(16.2350, 0.2861, 0.2236)
contains.

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Color

Yxy(16.1732, 0.2857, 0.2225)

Conversions

Conversions Part 1

Format	Color
Hex	8860A1
RGB	136, 96, 161
RGB Percent	53%, 38%, 63%
CMY	0.4667, 0.6235, 0.3686
CMYK	0.16, 0.40, 0.00, 0.37
HSL	277°, 26%, 50%
HSV	277°, 40%, 63%
XYZ	20.7671, 16.1732, 35.7482
YIQ	115.3700, 2.9750, 28.6950

Conversions

Conversions Part 2

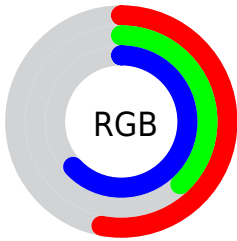
Format	Color
R_{YB}	136, 96, 161
Decimal	8937633
CIE _{Lab}	47.20, 28.73, -29.01
CIE _{LCh}	47, 40.828, 314.728
Yxy	16.1732, 0.2857, 0.2225
Android (android.graphics.Color)	4287127713 (0xFF8860A1)
YUV	115.3700, 22.4956, 18.0925
Hunter-Lab	40.2159, 21.7978, -24.5522

Details

The Yxy color **16.1732, 0.2857, 0.2225** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.4045, 0.3302, 0.4413**, and the grayscale version is **17.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7725, 0.2926, 0.2442**, and **5.1493, 0.2723, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **13.0262, 0.2766, 0.1951**, and if you desaturate by 10%, it is **19.9532, 0.2939, 0.2503**.

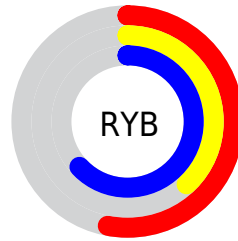
Distribution



Red (53%)

Green (38%)

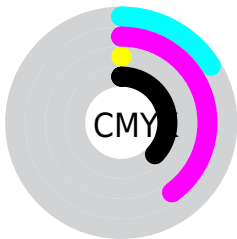
Blue (63%)



Red (53%)

Yellow (38%)

Blue (63%)

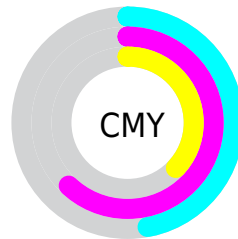


Cyan (16%)

Magenta (40%)

Yellow (0%)

Black (37%)



Cyan (47%)


Magenta (62%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1732, 0.2857, 0.2225 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 16.1732, 0.2857, 0.2225 by changing the saturation by 10% instead.


 16.1732, 0.2857,
0.2225

 16.1732, 0.2857,
0.2225


230.3616, 0.3027,
0.2802


 9.6468, 0.2800,
0.2067


 36.8986, 0.2929,
0.2445


 5.1654, 0.2716,
0.1858


 51.8664, 0.2952,
0.2525

 2.3446, 0.2583,
0.1570

 70.4168, 0.2971,
0.2591

 0.7972, 0.2354,
0.1157

 92.9342, 0.2987,
0.2647

 0.0000, 0.1773,
0.0000

119.8030, 0.2999,
0.2694

 0.0000, 0.0000,
0.0000

151.4076, 0.3010,

0.2735

188.1323, 0.3019,
0.2771

■ 16.1732, 0.2857,
0.2225

■ 16.1732, 0.2857,
0.2225

■ 13.0262, 0.2766,
0.1951

■ 19.9532, 0.2939,
0.2503

■ 10.4728, 0.2669,
0.1693

■ 24.3987, 0.3011,
0.2776

■ 8.4721, 0.2567,
0.1463

■ 29.5420, 0.3073,
0.3037

■ 6.9769, 0.2465,
0.1272

■ 35.4129, 0.3125,
0.3281

■ 5.9318, 0.2365,
0.1128

■ 42.0395, 0.3170,
0.3507

■ 5.2267, 0.2274,
0.1026

■ 49.4480, 0.3206,
0.3714

■ 57.6639, 0.3236,
0.3901

■ 66.7110, 0.3261,
0.4069

■ 76.6124, 0.3280,
0.4220

Harmonies

Analogous

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



16.1732, 0.2208, 0.2076



16.1732, 0.2857, 0.2225



16.1732, 0.3683, 0.2584

Triad

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



16.1732, 0.2857, 0.2225



16.1732, 0.4541, 0.4253



16.1732, 0.1964, 0.3306

Complementary

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



16.1732, 0.2857, 0.2225



30.4045, 0.3302, 0.4413

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.



16.1732, 0.2487, 0.4180



16.1732, 0.2857, 0.2225



16.1732, 0.3975, 0.4699

Square

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



16.1732, 0.2857, 0.2225



16.1732, 0.4730, 0.3673



16.1732, 0.3223, 0.4738



16.1732, 0.1750, 0.2580

Rectangle

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



16.1732, 0.2857, 0.2225



16.1732, 0.4202, 0.2912



16.1732, 0.3223, 0.4738



16.1732, 0.2106, 0.3600

Sweetspot

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



16.1739, 0.2857, 0.2225



51.0949, 0.3062, 0.2989



18.9823, 0.2475, 0.2578



10.9562, 0.3055, 0.2959



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.1739, 0.2857, 0.2225



24.0853, 0.2780, 0.1991



18.2956, 0.3254, 0.2405



7.0654, 0.3079, 0.3064



4.1980, 0.2281, 0.1030



0.1142, 0.2628, 0.1221

Inverse Universe

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



17.3270, 0.3727, 0.2891



26.5686, 0.3919, 0.2810



28.9490, 0.3021, 0.4374



7.1290, 0.3227, 0.3204



6.3368, 0.5392, 0.2744



0.1422, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 16.1732, 0.2857, 0.2225 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 16.1732, 0.2857, 0.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

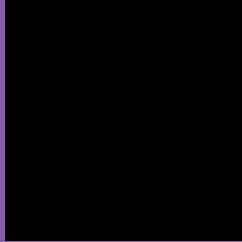
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1732, 0.2857, 0.2225

Background



This preview shows how black text looks on a background with the Yxy color 16.1732, 0.2857, 0.2225.



This preview shows how white text looks on a background with the Yxy color 16.1732, 0.2857, 0.2225.

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

16.1732, 0.2857, 0.2225

Protanopia

16.3427, 0.2297, 0.2166

Deuteranopia

16.3243, 0.2467, 0.2414



Tritanopia

16.1901, 0.3344, 0.3139

Trichromacy



Original Color

16.1732, 0.2857, 0.2225

Protanomaly

16.0935, 0.2468, 0.2173

Deuteranomaly

16.1908, 0.2599, 0.2342

Tritanomaly

16.0470, 0.3165, 0.2766

Monochromacy



Original Color

16.1732, 0.2857, 0.2225

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6020, 0.3030, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1732, 0.2857, 0.2225 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(136, 96, 161)` looks like.

```
.text, #text, p{  
    color:rgb(136, 96, 161)  
}
```

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(136, 96, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 96, 161) }
```

Border

The CSS property to change the border of an element to Yxy 16.1732, 0.2857, 0.2225 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(136, 96, 161) }
```

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

```
.border{ border-color:rgb(136, 96, 161) }
```

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

Here you see how a box with a 4 pixel rgb(136, 96, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 96, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 96, 161);  
box-shadow:4px 4px 4px 4px rgb(136, 96,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1732, 0.2857, 0.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 96, 161) }
```

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

```
.background{ background-color: rgb(136, 96,  
161) }
```

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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