

Converting Colors

$Yxy(17.5736, 0.2376, 0.1667)$

Have a look what the booklet for
Yxy(17.5736, 0.2376, 0.1667)
contains.

Yxy(17.4838, 0.2369, 0.1657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.4838, 0.2369, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	835ED2
RGB	131, 94, 210
RGB Percent	51%, 37%, 82%
CMY	0.4863, 0.6314, 0.1764
CMYK	0.38, 0.55, 0.00, 0.18
HSL	259°, 56%, 60%
HSV	259°, 55%, 82%
XYZ	24.9965, 17.4838, 63.0345
YIQ	118.2870, -15.1840, 43.9200

Conversions

Conversions Part 2

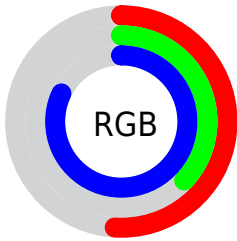
Format	Color
R_{YB}	131, 94, 210
Decimal	8609490
CIE _{Lab}	48.86, 40.76, -54.85
CIE _{LCh}	49, 68.338, 306.614
Yxy	17.4838, 0.2369, 0.1657
Android (android.graphics.Color)	4286799570 (0xFF835ED2)
YUV	118.2870, 45.2145, 11.1493
Hunter-Lab	41.8136, 33.5346, -60.1108

Details

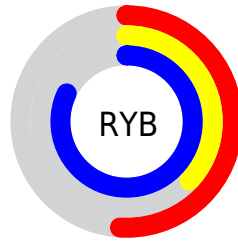
The Yxy color **17.4838, 0.2369, 0.1657** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **55.7894, 0.3609, 0.4759**, and the grayscale version is **18.0709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4691, 0.2624, 0.2057**, and **5.8164, 0.2074, 0.1232** is the 20% darker color. If you saturate the color by 10%, you get **13.1797, 0.2200, 0.1360**, and if you desaturate by 10%, it is **22.9625, 0.2536, 0.1974**.

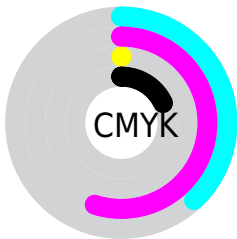
Distribution



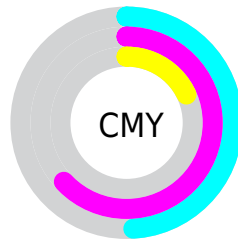
- Red (51%)
- Green (37%)
- Blue (82%)



- Red (51%)
- Yellow (37%)
- Blue (82%)



- Cyan (38%)
- Magenta (55%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (63%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4838, 0.2369, 0.1657 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 17.4838, 0.2369, 0.1657 by changing the saturation by 10% instead.

■ 17.4838, 0.2369,
0.1657

■ 17.4838, 0.2369,
0.1657

237.9452, 0.2809,
0.2474

■ 10.5800, 0.2244,
0.1465

■ 39.1557, 0.2541,
0.1948

■ 5.7852, 0.2077,
0.1231

■ 54.6927, 0.2602,
0.2059

■ 2.7149, 0.1847,
0.0946

■ 73.8762, 0.2653,
0.2154

■ 0.9848, 0.1524,
0.0610

■ 97.0906, 0.2694,
0.2236

■ 0.0000, 0.1099,
0.0000

124.7203, 0.2730,
0.2307

■ 0.0000, 0.0000,
0.0000

157.1497, 0.2760,

0.2370

194.7632, 0.2786,
0.2425

■ 17.4838, 0.2369,
0.1657

■ 17.4838, 0.2369,
0.1657

■ 13.1797, 0.2200,
0.1360

■ 22.9625, 0.2536,
0.1974

■ 9.9576, 0.2037,
0.1103

■ 29.6952, 0.2693,
0.2294

■ 7.7129, 0.1890,
0.0902

■ 37.7562, 0.2837,
0.2604

■ 6.3184, 0.1768,
0.0768

■ 47.2133, 0.2964,
0.2895

■ 5.8465, 0.1718,
0.0720

■ 58.1298, 0.3075,
0.3161

■ 70.5651, 0.3171,
0.3401

■ 84.5749, 0.3252,
0.3615

■ 95.6613, 0.3330,
0.3740

■ 97.4335, 0.3394,
0.3731

Harmonies

Analogous

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



17.4838, 0.1577, 0.1526



17.4838, 0.2369, 0.1657



17.4838, 0.3609, 0.2069

Triad

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



17.4838, 0.2369, 0.1657



17.4838, 0.5346, 0.4261



17.4838, 0.1502, 0.3639

Complementary

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



17.4838, 0.2369, 0.1657



55.7894, 0.3609, 0.4759

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.



17.4838, 0.2314, 0.5217



17.4838, 0.2369, 0.1657



17.4838, 0.4501, 0.5159

Square

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



17.4838, 0.2369, 0.1657



17.4838, 0.5598, 0.3441



17.4838, 0.3412, 0.5759



17.4838, 0.1159, 0.2348

Rectangle

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



17.4838, 0.2369, 0.1657



17.4838, 0.4528, 0.2475



17.4838, 0.3412, 0.5759



17.4838, 0.1721, 0.4191

Sweetspot

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



17.4844, 0.2369, 0.1657



70.2167, 0.2941, 0.2840



37.0245, 0.2319, 0.2748



14.3717, 0.2915, 0.2782



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.4844, 0.2369, 0.1657



19.5970, 0.2175, 0.1319



23.4442, 0.2958, 0.1897



11.5981, 0.3031, 0.3053



3.6140, 0.1732, 0.0728



0.2444, 0.1938, 0.0841

Inverse Universe

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



24.7251, 0.3626, 0.2351



32.2597, 0.3775, 0.2206



50.5680, 0.3173, 0.4987



11.9422, 0.3186, 0.3133



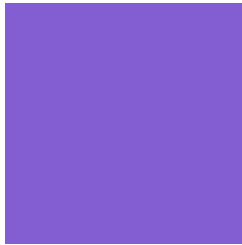
9.5867, 0.4210, 0.2093



0.5501, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 17.4838, 0.2369, 0.1657 looks on a white background.

Color Contrast Check

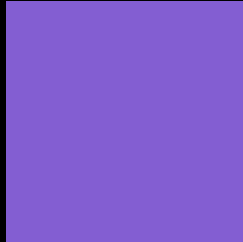
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4838, 0.2369, 0.1657 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 17.4838, 0.2369, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 17.4838, 0.2369, 0.1657.



This preview shows how white text looks on a background with the Yxy color 17.4838, 0.2369, 0.1657.

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

17.4838, 0.2369, 0.1657

Protanopia

17.7377, 0.1815, 0.1541

Deuteranopia

17.7767, 0.1900, 0.1846



Tritanopia

17.4162, 0.2973, 0.3114

Trichromacy



Original Color

17.4838, 0.2369, 0.1657

Protanomaly

16.8329, 0.1930, 0.1542

Deuteranomaly

16.8200, 0.1991, 0.1725

Tritanomaly

17.0474, 0.2719, 0.2444

Monochromacy



Original Color

17.4838, 0.2369, 0.1657

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.3826, 0.2818, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4838, 0.2369, 0.1657 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(131, 94, 210)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 210)  
}
```

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(131, 94, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 210) }
```

Border

The CSS property to change the border of an element to Yxy 17.4838, 0.2369, 0.1657 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(131, 94, 210) }
```

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

```
.border{ border-color:rgb(131, 94, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 94, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 94,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4838, 0.2369, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 94, 210) }
```

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

```
.background{ background-color: rgb(131, 94,  
210) }
```

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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