

Converting Colors

$Y_{xy}(17.5490, 0.2649, 0.1777)$

Have a look what the booklet for
Yxy(17.5490, 0.2649, 0.1777)
contains.

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Color

Yxy(17.4947, 0.2655, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	9658C5
RGB	150, 88, 197
RGB Percent	59%, 35%, 77%
CMY	0.4119, 0.6548, 0.2275
CMYK	0.24, 0.55, 0.00, 0.23
HSL	274°, 48%, 56%
HSV	274°, 55%, 77%
XYZ	26.1387, 17.4947, 54.8174
YIQ	118.9640, 1.9630, 47.0430

Conversions

Conversions Part 2

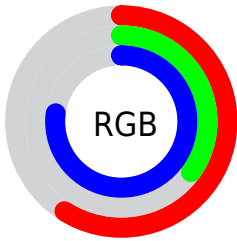
Format	Color
R_{YB}	150, 88, 197
Decimal	9853125
CIE _{Lab}	48.88, 45.51, -47.25
CIE _{LCh}	49, 65.599, 313.925
Yxy	17.4947, 0.2655, 0.1777
Android (android.graphics.Color)	4288043205 (0xFF9658C5)
YUV	118.9640, 38.4717, 27.2186
Hunter-Lab	41.8267, 38.3531, -48.4259

Details

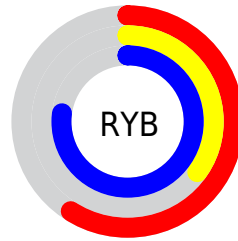
The Yxy color **17.4947, 0.2655, 0.1777** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.7902, 0.3378, 0.4875**, and the grayscale version is **18.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1773, 0.2779, 0.2054**, and **5.8260, 0.2453, 0.1374** is the 20% darker color. If you saturate the color by 10%, you get **13.9080, 0.2541, 0.1521**, and if you desaturate by 10%, it is **22.0150, 0.2763, 0.2055**.

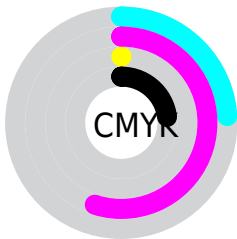
Distribution



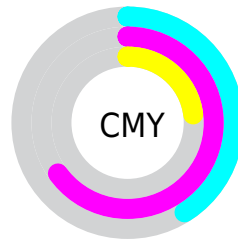
- Red (59%)
- Green (35%)
- Blue (77%)



- Red (59%)
- Yellow (35%)
- Blue (77%)



- Cyan (24%)
- Magenta (55%)
- Yellow (0%)
- Black (23%)



- Cyan (41%)
- Magenta (65%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4947, 0.2655, 0.1777 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 17.4947, 0.2655, 0.1777 by changing the saturation by 10% instead.


 17.4947, 0.2655,
0.1777


 17.4947, 0.2655,
0.1777


238.0073, 0.2945,
0.2542

 10.5878, 0.2565,
0.1592


 39.1744, 0.2773,
0.2053


 5.7904, 0.2440,
0.1362


 54.7160, 0.2814,
0.2157


 2.7181, 0.2259,
0.1075

 73.9047, 0.2847,
0.2246

 0.9864, 0.1983,
0.0722

 97.1247, 0.2874,
0.2322

 0.0000, 0.1597,
0.0000

 124.7607, 0.2896,
0.2388

 0.0000, 0.0000,
0.0000

157.1968, 0.2915,

0.2446

194.8175, 0.2931,
0.2497

■ 17.4947, 0.2655,
0.1777

■ 17.4947, 0.2655,
0.1777

■ 13.9080, 0.2541,
0.1521

■ 22.0150, 0.2763,
0.2055

■ 11.1795, 0.2425,
0.1302

■ 27.5323, 0.2863,
0.2342

■ 9.2249, 0.2312,
0.1129

■ 34.1063, 0.2952,
0.2628

■ 7.9406, 0.2206,
0.1008

■ 41.7918, 0.3029,
0.2902

■ 7.4730, 0.2159,
0.0963

■ 50.6394, 0.3096,
0.3161

■ 60.6966, 0.3152,
0.3399

■ 72.0083, 0.3199,
0.3618

■ 84.6169, 0.3238,
0.3815

■ 91.7985, 0.3283,
0.3896

Harmonies

Analogous

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



17.4947, 0.1771, 0.1580



17.4947, 0.2655, 0.1777



17.4947, 0.3922, 0.2243

Triad

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



17.4947, 0.2655, 0.1777



17.4947, 0.5128, 0.4467



17.4947, 0.1433, 0.3272

Complementary

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



17.4947, 0.2655, 0.1777



45.7902, 0.3378, 0.4875

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.



17.4947, 0.2122, 0.4804



17.4947, 0.2655, 0.1777



17.4947, 0.4235, 0.5304

Square

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



17.4947, 0.2655, 0.1777



17.4947, 0.5530, 0.3642



17.4947, 0.3156, 0.5657



17.4947, 0.1192, 0.2185

Rectangle

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



17.4947, 0.2655, 0.1777



17.4947, 0.4764, 0.2667



17.4947, 0.3156, 0.5657



17.4947, 0.1610, 0.3770

Sweetspot

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



17.4954, 0.2655, 0.1777



72.0143, 0.3015, 0.2850



23.5040, 0.2226, 0.2294



14.7950, 0.3000, 0.2794



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.



17.4954, 0.2655, 0.1777



23.9760, 0.2521, 0.1481



22.5595, 0.3272, 0.2063



10.5799, 0.3070, 0.3057



4.9659, 0.2171, 0.0970



0.2773, 0.2383, 0.1087

Inverse Universe

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



20.6048, 0.4023, 0.2683



30.5432, 0.4328, 0.2597



42.8367, 0.3007, 0.4941



10.7117, 0.3223, 0.3191



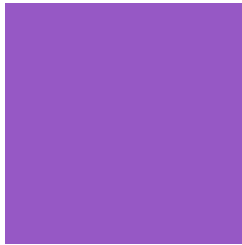
8.2555, 0.5226, 0.2652



0.4054, 0.4702, 0.2364

Previews

White Background



This preview shows how the Yxy color 17.4947, 0.2655, 0.1777 looks on a white background.

Color Contrast Check

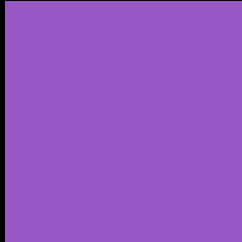
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4947, 0.2655, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

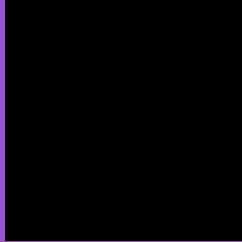
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4947, 0.2655, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 17.4947, 0.2655, 0.1777.



This preview shows how white text looks on a background with the Yxy color 17.4947, 0.2655, 0.1777.

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

17.4947, 0.2655, 0.1777

Protanopia

17.8715, 0.1885, 0.1636

Deuteranopia

17.7494, 0.2077, 0.2023



Tritanopia

17.4559, 0.3394, 0.3145

Trichromacy



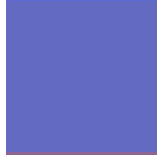
Original Color

17.4947, 0.2655, 0.1777



Protanomaly

16.8278, 0.2058, 0.1645



Deuteranomaly

16.7550, 0.2221, 0.1878



Tritanomaly

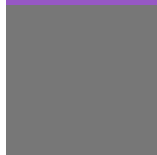
17.0454, 0.3096, 0.2534

Monochromacy



Original Color

17.4947, 0.2655, 0.1777



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5775, 0.2944, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4947, 0.2655, 0.1777 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(150, 88, 197)` looks like.

```
.text, #text, p{  
  color:rgb(150, 88, 197)  
}
```

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(150, 88, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 88, 197) }
```

Border

The CSS property to change the border of an element to Yxy 17.4947, 0.2655, 0.1777 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(150, 88, 197) }
```

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

```
.border{ border-color:rgb(150, 88, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 88, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 88, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 88, 197);  
box-shadow:4px 4px 4px 4px rgb(150, 88,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4947, 0.2655, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 88, 197) }
```

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

```
.background{ background-color: rgb(150, 88,  
197) }
```

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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