

Converting Colors

$Y_{xy}(17.5941, 0.2655, 0.1542)$

Have a look what the booklet for
Yxy(17.5941, 0.2655, 0.1542)
contains.

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Color

Yxy(17.6480, 0.2657, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	A648D7
RGB	166, 72, 215
RGB Percent	65%, 28%, 84%
CMY	0.3490, 0.7177, 0.1567
CMYK	0.23, 0.67, 0.00, 0.16
HSL	279°, 64%, 56%
HSV	279°, 67%, 84%
XYZ	30.3108, 17.6480, 66.1201
YIQ	116.4080, 10.1210, 64.4010

Conversions

Conversions Part 2

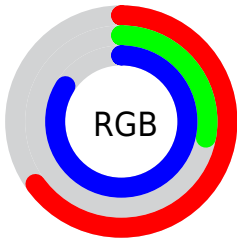
Format	Color
RYB	166, 72, 215
Decimal	10897623
CIELab	49.07, 61.15, -57.18
CIELCh	49, 83.716, 316.919
Yxy	17.6480, 0.2657, 0.1547
Android (android.graphics.Color)	4289087703 (0xFFA648D7)
YUV	116.4080, 48.6059, 43.4922
Hunter-Lab	42.0095, 55.2748, -63.9117

Details

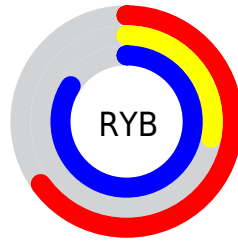
The Yxy color **17.6480, 0.2657, 0.1547** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **53.1527, 0.3299, 0.5255**, and the grayscale version is **17.4423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2460, 0.2912, 0.1975**, and **5.8412, 0.2438, 0.1130** is the 20% darker color. If you saturate the color by 10%, you get **14.5639, 0.2563, 0.1350**, and if you desaturate by 10%, it is **21.7509, 0.2749, 0.1782**.

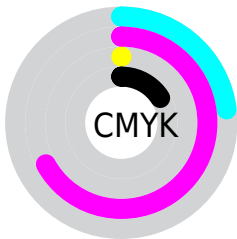
Distribution



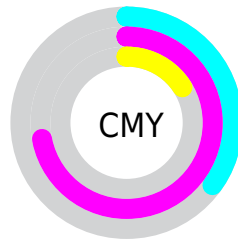
- Red (65%)
- Green (28%)
- Blue (84%)



- Red (65%)
- Yellow (28%)
- Blue (84%)



- Cyan (23%)
- Magenta (67%)
- Yellow (0%)
- Black (16%)





- Cyan (35%)
- Magenta (72%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6480, 0.2657, 0.1547 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 17.6480, 0.2657, 0.1547 by changing the saturation by 10% instead.


 17.6480, 0.2657,
0.1547


 17.6480, 0.2657,
0.1547


238.8794, 0.2954,
0.2390


 10.6976, 0.2565,
0.1357


 39.4366, 0.2779,
0.1841


 5.8639, 0.2439,
0.1129


 55.0436, 0.2820,
0.1955


 2.7625, 0.2260,
0.0858


 74.3048, 0.2854,
0.2054

 1.0090, 0.1994,
0.0546

 97.6048, 0.2882,
0.2139

 0.0000, 0.1630,
0.0000

 125.3278, 0.2905,
0.2214

 0.0000, 0.0807,
0.0000

157.8584, 0.2924,

 0.0000, 0.0000,

0.2280

0.0000

195.5808, 0.2940,
0.2338

■ 17.6480, 0.2657,
0.1547

■ 17.6480, 0.2657,
0.1547

■ 14.5639, 0.2563,
0.1350

■ 21.7509, 0.2749,
0.1782

■ 12.3894, 0.2471,
0.1200

■ 26.9626, 0.2835,
0.2044

■ 10.9886, 0.2383,
0.1099

■ 33.3650, 0.2914,
0.2320

■ 10.5977, 0.2353,
0.1070

■ 41.0319, 0.2985,
0.2598

■ 50.0308, 0.3046,
0.2871

■ 60.4244, 0.3098,
0.3130

■ 72.2713, 0.3141,
0.3372

■ 85.6267, 0.3177,
0.3596

■ 93.6414, 0.3216,
0.3699

Harmonies

Analogous

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



17.6480, 0.1584, 0.1298



17.6480, 0.2657, 0.1547



17.6480, 0.4273, 0.2091

Triad

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



17.6480, 0.2657, 0.1547



17.6480, 0.5333, 0.4611



17.6480, 0.1047, 0.3021

Complementary

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



17.6480, 0.2657, 0.1547



53.1527, 0.3299, 0.5255

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.



17.6480, 0.1726, 0.5091



17.6480, 0.2657, 0.1547



17.6480, 0.4155, 0.5742

Square

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



17.6480, 0.2657, 0.1547



17.6480, 0.6007, 0.3622



17.6480, 0.2871, 0.6318



17.6480, 0.0873, 0.1820

Rectangle

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



17.6480, 0.2657, 0.1547



17.6480, 0.5321, 0.2570



17.6480, 0.2871, 0.6318



17.6480, 0.1208, 0.3649

Sweetspot

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



17.6487, 0.2657, 0.1547



68.4990, 0.3024, 0.2772



20.2194, 0.2007, 0.1852



13.8588, 0.3007, 0.2694



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.



17.6487, 0.2657, 0.1547



19.9092, 0.2524, 0.1280



22.9625, 0.3448, 0.1978



12.4097, 0.3084, 0.3056



6.3973, 0.2366, 0.1077



0.4308, 0.2514, 0.1158

Inverse Universe

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



20.4678, 0.4535, 0.2746



25.0067, 0.5021, 0.2737



50.7932, 0.2942, 0.5156



12.4904, 0.3238, 0.3210



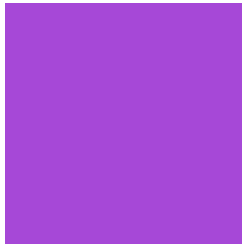
8.9525, 0.5590, 0.2853



0.5553, 0.5104, 0.2585

Previews

White Background



This preview shows how the Yxy color 17.6480, 0.2657, 0.1547 looks on a white background.

Color Contrast Check

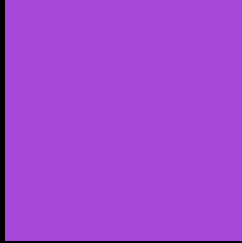
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6480, 0.2657, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

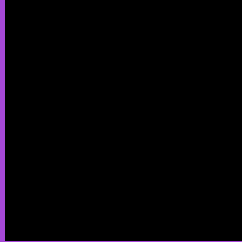
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6480, 0.2657, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 17.6480, 0.2657, 0.1547.



This preview shows how white text looks on a background with the Yxy color 17.6480, 0.2657, 0.1547.

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

17.6480, 0.2657, 0.1547

Protanopia

18.0422, 0.1739, 0.1460

Deuteranopia

18.0620, 0.1901, 0.1852



Tritanopia

17.5545, 0.3675, 0.3155

Trichromacy



Original Color

17.6480, 0.2657, 0.1547



Protanomaly

15.4092, 0.1821, 0.1368



Deuteranomaly

16.0375, 0.2033, 0.1630



Tritanomaly

16.8921, 0.3265, 0.2402

Monochromacy



Original Color

17.6480, 0.2657, 0.1547



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.4497, 0.2935, 0.2407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6480, 0.2657, 0.1547 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(166, 72, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 215)  
}
```

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(166, 72, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 215) }
```

Border

The CSS property to change the border of an element to Yxy 17.6480, 0.2657, 0.1547 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(166, 72, 215) }
```

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

```
.border{ border-color:rgb(166, 72, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 72, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 72,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6480, 0.2657, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 215) }
```

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

```
.background{ background-color: rgb(166, 72,  
215) }
```

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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