

Converting Colors

$Y_{xy}(17.4663, 0.2614, 0.1625)$

Have a look what the booklet for
Yxy(17.4663, 0.2614, 0.1625)
contains.

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Color

Yxy(17.4087, 0.2608, 0.1616)

Conversions

Conversions Part 1

Format	Color
Hex	9C50D1
RGB	156, 80, 209
RGB Percent	61%, 31%, 82%
CMY	0.3881, 0.6864, 0.1803
CMYK	0.25, 0.62, 0.00, 0.18
HSL	275°, 58%, 57%
HSV	275°, 62%, 82%
XYZ	28.0952, 17.4087, 62.2232
YIQ	117.4300, 3.8870, 56.2310

Conversions

Conversions Part 2

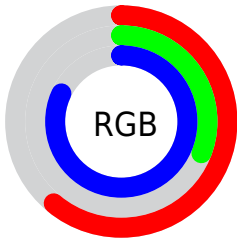
Format	Color
RYB	156, 80, 209
Decimal	10244305
CIELab	48.77, 53.88, -54.30
CIELCh	49, 76.495, 314.782
Yxy	17.4087, 0.2608, 0.1616
Android (android.graphics.Color)	4288434385 (0xFF9C50D1)
YUV	117.4300, 45.1440, 33.8259
Hunter-Lab	41.7237, 47.1788, -59.2134

Details

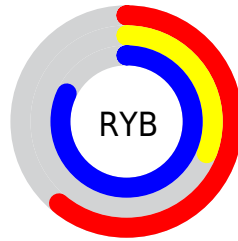
The Yxy color **17.4087, 0.2608, 0.1616** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **51.1810, 0.3366, 0.5078**, and the grayscale version is **17.7844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2912, 0.2827, 0.1998**, and **5.7377, 0.2370, 0.1189** is the 20% darker color. If you saturate the color by 10%, you get **13.9846, 0.2497, 0.1386**, and if you desaturate by 10%, it is **21.8464, 0.2716, 0.1878**.

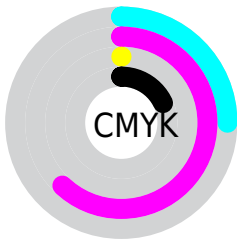
Distribution



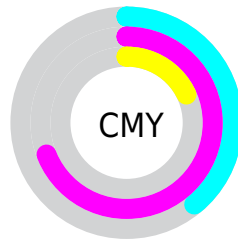
- Red (61%)
- Green (31%)
- Blue (82%)



- Red (61%)
- Yellow (31%)
- Blue (82%)



- Cyan (25%)
- Magenta (62%)
- Yellow (0%)
- Black (18%)




- Cyan (39%)
- Magenta (69%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4087, 0.2608, 0.1616 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 17.4087, 0.2608, 0.1616 by changing the saturation by 10% instead.


 17.4087, 0.2608,
0.1616


 17.4087, 0.2608,
0.1616


237.5167, 0.2928,
0.2440


 10.5263, 0.2511,
0.1426


 39.0271, 0.2738,
0.1907


 5.7493, 0.2377,
0.1195


 54.5320, 0.2783,
0.2019


 2.6932, 0.2186,
0.0915


 73.6798, 0.2819,
0.2115

 0.9738, 0.1905,
0.0588

 96.8549, 0.2849,
0.2198

 0.0000, 0.1517,
0.0000

 124.4418, 0.2874,
0.2270

 0.0000, 0.0387,
0.0000

156.8248, 0.2895,

 0.0000, 0.0000,

0.2334

0.0000

194.3883, 0.2913,
0.2390

■ 17.4087, 0.2608,
0.1616

■ 17.4087, 0.2608,
0.1616

■ 13.9846, 0.2497,
0.1386

■ 21.8464, 0.2716,
0.1878

■ 11.4791, 0.2387,
0.1200

■ 27.3769, 0.2816,
0.2158

■ 9.7821, 0.2282,
0.1065

■ 34.0735, 0.2908,
0.2445

■ 8.8302, 0.2201,
0.0986

■ 42.0025, 0.2988,
0.2726

■ 51.2252, 0.3058,
0.2996

■ 61.7986, 0.3118,
0.3248

■ 73.7762, 0.3168,
0.3481

■ 87.2088, 0.3209,
0.3692

■ 93.4979, 0.3257,
0.3761

Harmonies

Analogous

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



17.4087, 0.1625, 0.1396



17.4087, 0.2608, 0.1616



17.4087, 0.4080, 0.2123

Triad

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



17.4087, 0.2608, 0.1616



17.4087, 0.5292, 0.4521



17.4087, 0.1201, 0.3182

Complementary

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



17.4087, 0.2608, 0.1616



51.1810, 0.3366, 0.5078

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.



17.4087, 0.1912, 0.5053



17.4087, 0.2608, 0.1616



17.4087, 0.4236, 0.5539

Square

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



17.4087, 0.2608, 0.1616



17.4087, 0.5846, 0.3609



17.4087, 0.3032, 0.6071



17.4087, 0.0985, 0.1982

Rectangle

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



17.4087, 0.2608, 0.1616



17.4087, 0.5062, 0.2582



17.4087, 0.3032, 0.6071



17.4087, 0.1377, 0.3772

Sweetspot

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



17.4094, 0.2608, 0.1616



69.3076, 0.3007, 0.2796



23.2898, 0.2115, 0.2113



13.9894, 0.2986, 0.2716



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.



17.4094, 0.2608, 0.1616



20.5583, 0.2463, 0.1323



23.3835, 0.3316, 0.1968



11.7570, 0.3073, 0.3056



5.5014, 0.2214, 0.0994



0.3534, 0.2394, 0.1093

Inverse Universe

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



20.9861, 0.4236, 0.2661



27.1989, 0.4618, 0.2604



48.0727, 0.2987, 0.5130



11.8876, 0.3227, 0.3195



8.7889, 0.5318, 0.2703



0.5070, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 17.4087, 0.2608, 0.1616 looks on a white background.

Color Contrast Check

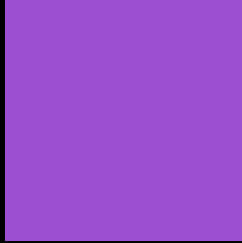
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4087, 0.2608, 0.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

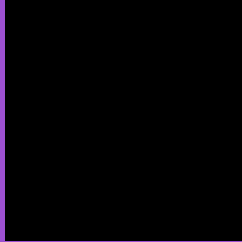
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4087, 0.2608, 0.1616

Background



This preview shows how black text looks on a background with the Yxy color 17.4087, 0.2608, 0.1616.



This preview shows how white text looks on a background with the Yxy color 17.4087, 0.2608, 0.1616.

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

17.4087, 0.2608, 0.1616

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.8255, 0.1938, 0.1887



Tritanopia

17.3286, 0.3482, 0.3148

Trichromacy



Original Color

17.4087, 0.2608, 0.1616



Protanomaly

15.5303, 0.1824, 0.1409



Deuteranomaly

16.3346, 0.2071, 0.1700



Tritanomaly

16.8303, 0.3127, 0.2442

Monochromacy



Original Color

17.4087, 0.2608, 0.1616



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9279, 0.2922, 0.2496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4087, 0.2608, 0.1616 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(156, 80, 209)` looks like.

```
.text, #text, p{  
    color:rgb(156, 80, 209)  
}
```

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(156, 80, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 80, 209) }
```

Border

The CSS property to change the border of an element to Yxy 17.4087, 0.2608, 0.1616 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(156, 80, 209) }
```

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

```
.border{ border-color:rgb(156, 80, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 80, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 80, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 80, 209);  
box-shadow:4px 4px 4px 4px rgb(156, 80,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4087, 0.2608, 0.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 80, 209) }
```

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

```
.background{ background-color: rgb(156, 80,  
209) }
```

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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