

Converting Colors

$Y_{xy}(17.0748, 0.2354, 0.1533)$

Have a look what the booklet for
Yxy(17.0748, 0.2354, 0.1533)
contains.

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Color

Yxy(17.1126, 0.2350, 0.1534)

Conversions

Conversions Part 1

Format	Color
Hex	8857DA
RGB	136, 87, 218
RGB Percent	53%, 34%, 85%
CMY	0.4666, 0.6588, 0.1452
CMYK	0.38, 0.60, 0.00, 0.15
HSL	262°, 64%, 60%
HSV	262°, 60%, 85%
XYZ	26.2155, 17.1126, 68.2273
YIQ	116.5850, -12.8470, 51.1290

Conversions

Conversions Part 2

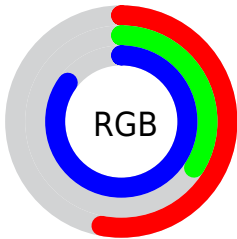
Format	Color
R _Y B	136, 87, 218
Decimal	8935386
CIE Lab	48.40, 47.88, -60.11
CIE LCh	48, 76.844, 308.538
Yxy	17.1126, 0.2350, 0.1534
Android (android.graphics.Color)	4287125466 (0xFF8857DA)
YUV	116.5850, 49.9976, 17.0270
Hunter-Lab	41.3674, 40.7269, -68.8299

Details

The Yxy color **17.1126, 0.2350, 0.1534** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **59.2418, 0.3578, 0.4914**, and the grayscale version is **17.5018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1546, 0.2665, 0.1999**, and **5.5940, 0.2052, 0.1103** is the 20% darker color. If you saturate the color by 10%, you get **13.0303, 0.2191, 0.1261**, and if you desaturate by 10%, it is **22.4065, 0.2509, 0.1836**.

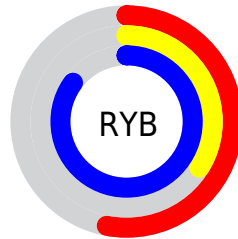
Distribution



Red (53%)

Green (34%)

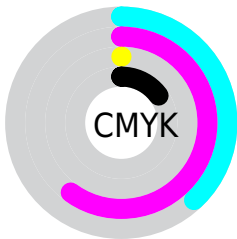
Blue (85%)



Red (53%)

Yellow (34%)

Blue (85%)

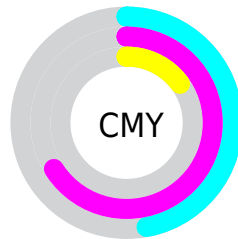


Cyan (38%)

Magenta (60%)

Yellow (0%)

Black (15%)



Cyan (47%)


Magenta (66%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1126, 0.2350, 0.1534 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 17.1126, 0.2350, 0.1534 by changing the saturation by 10% instead.


 17.1126, 0.2350,
0.1534


 17.1126, 0.2350,
0.1534


235.8204, 0.2803,
0.2395

 10.3148, 0.2222,
0.1339


 38.5193, 0.2527,
0.1835


 5.6082, 0.2052,
0.1105


 53.8969, 0.2591,
0.1952

 2.6083, 0.1820,
0.0827

 72.9034, 0.2642,
0.2053

 0.9309, 0.1500,
0.0512

 95.9229, 0.2686,
0.2140

 0.0000, 0.1081,
0.0000

 123.3400, 0.2722,
0.2216

 0.0000, 0.0000,
0.0000

155.5390, 0.2753,

0.2283

192.9044, 0.2780,
0.2342

■ 17.1126, 0.2350,
0.1534

■ 17.1126, 0.2350,
0.1534

■ 13.0303, 0.2191,
0.1261

■ 22.4065, 0.2509,
0.1836

■ 10.0532, 0.2040,
0.1036

■ 29.0024, 0.2660,
0.2150

■ 8.0583, 0.1906,
0.0870

■ 36.9836, 0.2799,
0.2461

■ 6.8358, 0.1794,
0.0762

■ 46.4262, 0.2923,
0.2758

■ 57.4004, 0.3032,
0.3035

■ 69.9717, 0.3126,
0.3288

■ 84.2020, 0.3206,
0.3516

■ 96.0151, 0.3281,
0.3659

■ 97.8402, 0.3346,
0.3651

Harmonies

Analogous

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



17.1126, 0.1474, 0.1374



17.1126, 0.2350, 0.1534



17.1126, 0.3756, 0.1987

Triad

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



17.1126, 0.2350, 0.1534



17.1126, 0.5476, 0.4314



17.1126, 0.1289, 0.3541

Complementary

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



17.1126, 0.2350, 0.1534



59.2418, 0.3578, 0.4914

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.



17.1126, 0.2111, 0.5428



17.1126, 0.2350, 0.1534



17.1126, 0.4485, 0.5352

Square

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



17.1126, 0.2350, 0.1534



17.1126, 0.5877, 0.3435



17.1126, 0.3277, 0.6084



17.1126, 0.0983, 0.2151

Rectangle

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



17.1126, 0.2350, 0.1534



17.1126, 0.4795, 0.2424



17.1126, 0.3277, 0.6084



17.1126, 0.1504, 0.4181

Sweetspot

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



17.1132, 0.2350, 0.1534



69.0844, 0.2946, 0.2814



35.8155, 0.2237, 0.2589



13.8664, 0.2912, 0.2729



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.



17.1132, 0.2350, 0.1534



17.3641, 0.2152, 0.1199



24.2256, 0.3006, 0.1820



12.8534, 0.3039, 0.3052



4.1534, 0.1809, 0.0770



0.3173, 0.1993, 0.0872

Inverse Universe

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



24.5791, 0.3787, 0.2358



29.3743, 0.3992, 0.2237



53.7841, 0.3129, 0.5171



13.1879, 0.3195, 0.3145



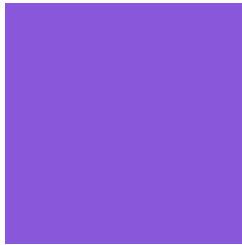
10.0231, 0.4429, 0.2214



0.6658, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 17.1126, 0.2350, 0.1534 looks on a white background.

Color Contrast Check

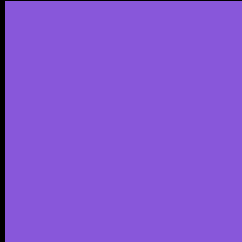
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1126, 0.2350, 0.1534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

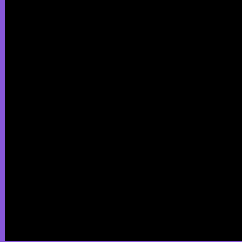
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1126, 0.2350, 0.1534

Background



This preview shows how black text looks on a background with the Yxy color 17.1126, 0.2350, 0.1534.



This preview shows how white text looks on a background with the Yxy color 17.1126, 0.2350, 0.1534.

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

17.1126, 0.2350, 0.1534

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.2276, 0.1830, 0.1789



Tritanopia

17.1095, 0.3033, 0.3114

Trichromacy



Original Color

17.1126, 0.2350, 0.1534



Protanomaly

15.8129, 0.1799, 0.1411



Deuteranomaly

15.6642, 0.1864, 0.1606



Tritanomaly

16.5802, 0.2740, 0.2355

Monochromacy



Original Color

17.1126, 0.2350, 0.1534



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.9262, 0.2795, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1126, 0.2350, 0.1534 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, 87, 218)` looks like.

```
.text, #text, p{  
    color:rgb(136, 87, 218)  
}
```

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, 87, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 87, 218) }
```

Border

The CSS property to change the border of an element to Yxy 17.1126, 0.2350, 0.1534 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, 87, 218) }
```

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

```
.border{ border-color:rgb(136, 87, 218) }
```

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

Here you see how a box with a 4 pixel rgb(136, 87, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 87, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 87, 218);  
box-shadow:4px 4px 4px 4px rgb(136, 87,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1126, 0.2350, 0.1534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 87, 218) }
```

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

```
.background{ background-color: rgb(136, 87,  
218) }
```

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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