

Converting Colors

$Y_{xy}(17.3970, 0.2517, 0.1860)$

Have a look what the booklet for
Yxy(17.3970, 0.2517, 0.1860)
contains.

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Color

Yxy(17.3862, 0.2521, 0.1859)

Conversions

Conversions Part 1

Format	Color
Hex	8561C1
RGB	133, 97, 193
RGB Percent	52%, 38%, 76%
CMY	0.4783, 0.6197, 0.2432
CMYK	0.31, 0.50, 0.00, 0.24
HSL	263°, 44%, 57%
HSV	263°, 50%, 76%
XYZ	23.5775, 17.3862, 52.5608
YIQ	118.7080, -9.3600, 37.4880

Conversions

Conversions Part 2

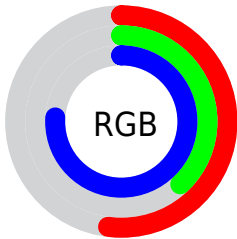
Format	Color
R _Y B	133, 97, 193
Decimal	8741313
CIE Lab	48.74, 35.10, -45.26
CIE LCh	49, 57.279, 307.791
Yxy	17.3862, 0.2521, 0.1859
Android (android.graphics.Color)	4286931393 (0xFF8561C1)
YUV	118.7080, 36.6260, 12.5341
Hunter-Lab	41.6968, 27.9639, -45.5501

Details

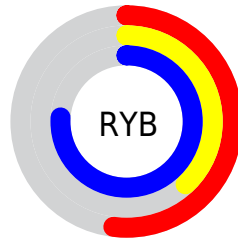
The Yxy color **17.3862, 0.2521, 0.1859** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **46.1609, 0.3524, 0.4633**, and the grayscale version is **18.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9008, 0.2667, 0.2124**, and **5.7230, 0.2259, 0.1439** is the 20% darker color. If you saturate the color by 10%, you get **13.3188, 0.2364, 0.1558**, and if you desaturate by 10%, it is **22.4349, 0.2670, 0.2171**.

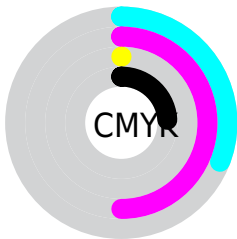
Distribution



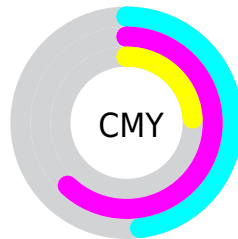
- Red (52%)
- Green (38%)
- Blue (76%)



- Red (52%)
- Yellow (38%)
- Blue (76%)



- Cyan (31%)
- Magenta (50%)
- Yellow (0%)
- Black (24%)





- Cyan (48%)
- Magenta (62%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3862, 0.2521, 0.1859 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 17.3862, 0.2521, 0.1859 by changing the saturation by 10% instead.


 17.3862, 0.2521,
0.1859


 17.3862, 0.2521,
0.1859

237.3882, 0.2879,
0.2597


 10.5102, 0.2414,
0.1676


 38.9886, 0.2664,
0.2128

 5.7385, 0.2268,
0.1445


 54.4838, 0.2714,
0.2230

 2.6868, 0.2060,
0.1152

 73.6209, 0.2754,
0.2315

 0.9705, 0.1748,
0.0783

 96.7843, 0.2788,
0.2388

 0.0000, 0.1310,
0.0000

124.3583, 0.2816,
0.2451

 0.0000, 0.0000,
0.0000

156.7273, 0.2840,

0.2506

194.2759, 0.2861,
0.2554

■ 17.3862, 0.2521,
0.1859

■ 17.3862, 0.2521,
0.1859

■ 13.3188, 0.2364,
0.1558

■ 22.4349, 0.2670,
0.2171

■ 10.1629, 0.2207,
0.1285

■ 28.5241, 0.2807,
0.2479

■ 7.8423, 0.2056,
0.1056

■ 35.7106, 0.2930,
0.2773

■ 6.2668, 0.1921,
0.0885

■ 44.0463, 0.3037,
0.3046

■ 5.2689, 0.1806,
0.0770

■ 53.5799, 0.3129,
0.3296

■ 5.2465, 0.1803,
0.0767

■ 64.3571, 0.3208,
0.3521

■ 76.4213, 0.3275,
0.3722

■ 89.8138, 0.3331,
0.3901

■ 94.1589, 0.3405,
0.3918

Harmonies

Analogous

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



17.3862, 0.1789, 0.1733



17.3862, 0.2521, 0.1859



17.3862, 0.3595, 0.2245

Triad

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



17.3862, 0.2521, 0.1859



17.3862, 0.5068, 0.4261



17.3862, 0.1708, 0.3555

Complementary

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



17.3862, 0.2521, 0.1859



46.1609, 0.3524, 0.4633

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.



17.3862, 0.2434, 0.4819



17.3862, 0.2521, 0.1859



17.3862, 0.4361, 0.4993

Square

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



17.3862, 0.2521, 0.1859



17.3862, 0.5248, 0.3518



17.3862, 0.3407, 0.5365



17.3862, 0.1386, 0.2480

Rectangle

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



17.3862, 0.2521, 0.1859



17.3862, 0.4357, 0.2619



17.3862, 0.3407, 0.5365



17.3862, 0.1907, 0.3995

Sweetspot

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



17.3869, 0.2521, 0.1859



70.4394, 0.2980, 0.2899



30.7727, 0.2377, 0.2735



14.4461, 0.2957, 0.2840



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.3869, 0.2521, 0.1859



23.0981, 0.2345, 0.1524



22.1229, 0.3037, 0.2051



9.9282, 0.3041, 0.3056



3.5321, 0.1816, 0.0774



0.1921, 0.2079, 0.0919

Inverse Universe

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



22.3152, 0.3629, 0.2504



33.2885, 0.3795, 0.2356



42.3009, 0.3142, 0.4810



10.1813, 0.3194, 0.3147



8.4669, 0.4425, 0.2211



0.3788, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 17.3862, 0.2521, 0.1859 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 17.3862, 0.2521, 0.1859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

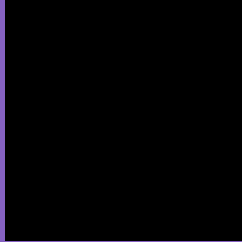
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3862, 0.2521, 0.1859

Background



This preview shows how black text looks on a background with the Yxy color 17.3862, 0.2521, 0.1859.



This preview shows how white text looks on a background with the Yxy color 17.3862, 0.2521, 0.1859.

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

17.3862, 0.2521, 0.1859

Protanopia

17.6664, 0.1991, 0.1775

Deuteranopia

17.5045, 0.2094, 0.2033



Tritanopia

17.3866, 0.3084, 0.3117

Trichromacy



Original Color

17.3862, 0.2521, 0.1859

Protanomaly

17.1543, 0.2131, 0.1779

Deuteranomaly

17.0347, 0.2217, 0.1949

Tritanomaly

17.1483, 0.2860, 0.2579

Monochromacy



Original Color

17.3862, 0.2521, 0.1859

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7293, 0.2884, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3862, 0.2521, 0.1859 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(133, 97, 193)` looks like.

```
.text, #text, p{  
    color:rgb(133, 97, 193)  
}
```

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(133, 97, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 193) }
```

Border

The CSS property to change the border of an element to Yxy 17.3862, 0.2521, 0.1859 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(133, 97, 193) }
```

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

```
.border{ border-color:rgb(133, 97, 193) }
```

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

Here you see how a box with a 4 pixel rgb(133, 97, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 193);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3862, 0.2521, 0.1859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 193) }
```

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

```
.background{ background-color: rgb(133, 97,  
193) }
```

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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