

Converting Colors

$Y_{xy}(17.4683, 0.1859, 0.1383)$

Have a look what the booklet for
Yxy(17.4683, 0.1859, 0.1383)
contains.

Yxy(17.4678, 0.1859, 0.1383)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4678, 0.1859, 0.1383)

Conversions

Conversions Part 1

Format	Color
Hex	4967F1
RGB	73, 103, 241
RGB Percent	29%, 40%, 95%
CMY	0.7134, 0.5961, 0.0549
CMYK	0.70, 0.57, 0.00, 0.05
HSL	229°, 86%, 62%
HSV	229°, 70%, 95%
XYZ	23.4799, 17.4678, 85.3560
YIQ	109.7620, -62.1780, 36.5580

Conversions

Conversions Part 2

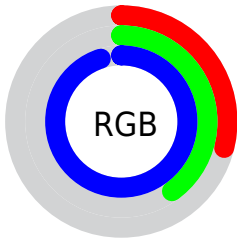
Format	Color
R_{YB}	73, 98, 241
Decimal	4810737
CIE _{Lab}	48.84, 34.23, -72.61
CIE _{LCh}	49, 80.275, 295.239
Yxy	17.4678, 0.1859, 0.1383
Android (android.graphics.Color)	4283000817 (0xFF4967F1)
YUV	109.7620, 64.7003, -32.2403
Hunter-Lab	41.7945, 27.1397, -91.8306

Details

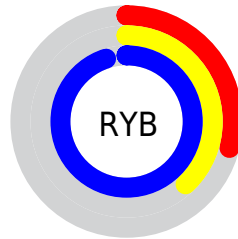
The Yxy color **17.4678, 0.1859, 0.1383** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **65.8264, 0.4268, 0.4621**, and the grayscale version is **15.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9067, 0.2300, 0.2043**, and **6.3869, 0.1617, 0.1021** is the 20% darker color. If you saturate the color by 10%, you get **13.2169, 0.1714, 0.1118**, and if you desaturate by 10%, it is **23.0175, 0.2034, 0.1679**.

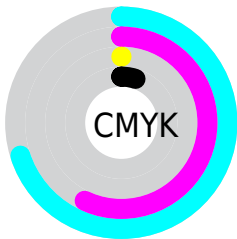
Distribution



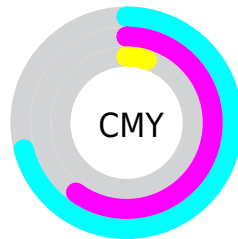
- Red (29%)
- Green (40%)
- Blue (95%)



- Red (29%)
- Yellow (38%)
- Blue (95%)



- Cyan (70%)
- Magenta (57%)
- Yellow (0%)
- Black (5%)



- Cyan (71%)
- Magenta (60%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4678, 0.1859, 0.1383 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 17.4678, 0.1859, 0.1383 by changing the saturation by 10% instead.

■ 17.4678, 0.1859,
0.1383

■ 17.4678, 0.1859,
0.1383

237.8539, 0.2542,
0.2301

■ 10.5686, 0.1689,
0.1185

■ 39.1284, 0.2110,
0.1697

■ 5.7775, 0.1478,
0.0953

■ 54.6585, 0.2204,
0.1822

■ 2.7103, 0.1214,
0.0690

■ 73.8344, 0.2283,
0.1930

■ 0.9824, 0.0892,
0.0408

■ 97.0404, 0.2351,
0.2024

■ 0.0000, 0.0525,
0.0000

124.6610, 0.2409,
0.2106

■ 0.0000, 0.0000,
0.0000

157.0805, 0.2459,

0.2179

194.6833, 0.2503,
0.2244

■ 17.4678, 0.1859,
0.1383

■ 17.4678, 0.1859,
0.1383

■ 13.2169, 0.1714,
0.1118

■ 23.0175, 0.2034,
0.1679

■ 10.1519, 0.1607,
0.0903

■ 29.9628, 0.2226,
0.1987

■ 8.1246, 0.1541,
0.0747

■ 38.3925, 0.2425,
0.2292


■ 8.0722, 0.1540,
0.0743

■ 48.3874, 0.2620,
0.2581

■ 60.0223, 0.2805,
0.2847

 73.3672, 0.2976,
0.3085

 88.4881, 0.3132,
0.3296

 99.1311, 0.3209,
0.3425

Harmonies

Analogous

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



17.4678, 0.1198, 0.1355



17.4678, 0.1859, 0.1383



17.4678, 0.3071, 0.1712

Triad

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



17.4678, 0.1859, 0.1383



17.4678, 0.5822, 0.3886



17.4678, 0.1535, 0.4442

Complementary

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



17.4678, 0.1859, 0.1383



65.8264, 0.4268, 0.4621

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.



17.4678, 0.2572, 0.6067



17.4678, 0.1859, 0.1383



17.4678, 0.5008, 0.4909

Square

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



17.4678, 0.1859, 0.1383



17.4678, 0.5822, 0.3064



17.4678, 0.3803, 0.5922



17.4678, 0.1011, 0.2623

Rectangle

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



17.4678, 0.1859, 0.1383



17.4678, 0.4143, 0.2090



17.4678, 0.3803, 0.5922



17.4678, 0.1835, 0.5123

Sweetspot

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



17.4683, 0.1859, 0.1383



66.2805, 0.2780, 0.2811



68.9971, 0.2455, 0.3692



13.3776, 0.2730, 0.2739



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.



17.4683, 0.1859, 0.1383



13.2700, 0.1660, 0.1013



15.5833, 0.2114, 0.1224



15.6837, 0.2980, 0.3090



4.5144, 0.1545, 0.0763



0.5033, 0.1606, 0.0980

Inverse Universe

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



24.4571, 0.5079, 0.3021



23.3957, 0.5682, 0.3061



74.0652, 0.3674, 0.5100



15.8048, 0.3265, 0.3248



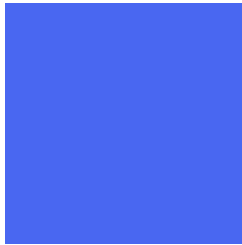
10.2491, 0.6129, 0.3150



0.8655, 0.5789, 0.2963

Previews

White Background



This preview shows how the Yxy color 17.4678, 0.1859, 0.1383 looks on a white background.

Color Contrast Check

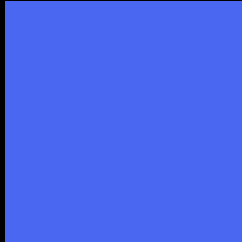
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4678, 0.1859, 0.1383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

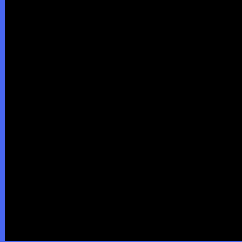
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4678, 0.1859, 0.1383

Background



This preview shows how black text looks on a background with the Yxy color 17.4678, 0.1859, 0.1383.



This preview shows how white text looks on a background with the Yxy color 17.4678, 0.1859, 0.1383.

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

17.4678, 0.1859, 0.1383

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.2687, 0.1847, 0.1848



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.4678, 0.1859, 0.1383

Protanomaly

17.1312, 0.1749, 0.1411

Deuteranomaly

17.0530, 0.1818, 0.1642

Tritanomaly

16.5218, 0.1991, 0.2224

Monochromacy



Original Color

17.4678, 0.1859, 0.1383

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.5254, 0.2465, 0.2339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4678, 0.1859, 0.1383 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(73, 103, 241)` looks like.

```
.text, #text, p{  
    color:rgb(73, 103, 241)  
}
```

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(73, 103, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 103, 241) }
```

Border

The CSS property to change the border of an element to Yxy 17.4678, 0.1859, 0.1383 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(73, 103, 241) }
```

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

```
.border{ border-color:rgb(73, 103, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 103, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 103, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 103, 241);  
box-shadow:4px 4px 4px 4px rgb(73, 103,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4678, 0.1859, 0.1383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 103, 241) }
```

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

```
.background{ background-color: rgb(73, 103,  
241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor