

Converting Colors

$Y_{xy}(13.6069, 0.1857, 0.1190)$

Have a look what the booklet for
Yxy(13.6069, 0.1857, 0.1190)
contains.

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Color

Yxy(13.5747, 0.1857, 0.1190)

Conversions

Conversions Part 1

Format	Color
Hex	5151EA
RGB	81, 81, 234
RGB Percent	32%, 32%, 92%
CMY	0.6823, 0.6823, 0.0825
CMYK	0.65, 0.65, 0.00, 0.08
HSL	240°, 78%, 62%
HSV	240°, 65%, 92%
XYZ	21.1834, 13.5747, 79.3150
YIQ	98.4420, -49.1130, 47.5830

Conversions

Conversions Part 2

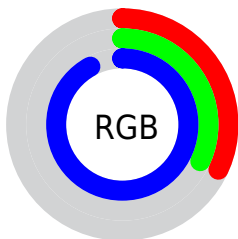
Format	Color
R_{YB}	81, 81, 234
Decimal	5329386
CIE _{Lab}	43.62, 46.18, -77.17
CIE _{LCh}	44, 89.929, 300.898
Yxy	13.5747, 0.1857, 0.1190
Android (android.graphics.Color)	4283519466 (0xFF5151EA)
YUV	98.4420, 66.8301, -15.2966
Hunter-Lab	36.8439, 38.1518, -101.8449

Details

The Yxy color **13.5747, 0.1857, 0.1190** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **76.9003, 0.4027, 0.4779**, and the grayscale version is **12.1718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5636, 0.2292, 0.1782**, and **4.3764, 0.1555, 0.0797** is the 20% darker color. If you saturate the color by 10%, you get **9.8141, 0.1694, 0.0920**, and if you desaturate by 10%, it is **18.8890, 0.2054, 0.1516**.

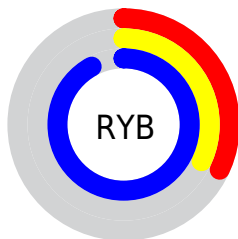
Distribution



Red (32%)

Green (32%)

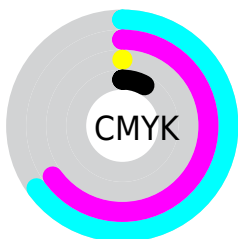
Blue (92%)



Red (32%)

Yellow (32%)

Blue (92%)

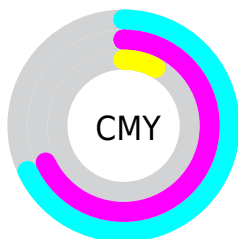


Cyan (65%)

Magenta (65%)

Yellow (0%)

Black (8%)



Cyan (68%)


Magenta (68%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5747, 0.1857, 0.1190 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 13.5747, 0.1857, 0.1190 by changing the saturation by 10% instead.


 13.5747, 0.1857,
0.1190


 13.5747, 0.1857,
0.1190


214.5687, 0.2567,
0.2194


 7.8255, 0.1675,
0.0980

 32.3325, 0.2123,
0.1529


 3.9835, 0.1447,
0.0743


 46.1098, 0.2221,
0.1665


 1.6643, 0.1163,
0.0484

 63.3319, 0.2303,
0.1784

 0.4004, 0.0820,
0.0193

 84.3833, 0.2373,
0.1887

 0.0000, 0.0390,
0.0000

 109.6482, 0.2432,
0.1978

 0.0000, 0.0000,
0.0000

139.5112, 0.2483,

0.2059

174.3566, 0.2528,
0.2130

■ 13.5747, 0.1857,
0.1190

■ 13.5747, 0.1857,
0.1190

■ 9.8141, 0.1694,
0.0920

■ 18.8890, 0.2054,
0.1516

■ 7.4389, 0.1579,
0.0730

■ 25.8997, 0.2269,
0.1870

■ 6.2436, 0.1517,
0.0627

■ 34.7344, 0.2484,
0.2227

■ 5.9383, 0.1500,
0.0600

■ 45.5082, 0.2690,
0.2567

■ 58.3268, 0.2878,
0.2878

■ 73.2884, 0.3046,
0.3155

■ 90.4845, 0.3192,
0.3398

■ 98.7182, 0.3250,
0.3493

Harmonies

Analogous

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



13.5747, 0.1057, 0.1094



13.5747, 0.1857, 0.1190



13.5747, 0.3375, 0.1595

Triad

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



13.5747, 0.1857, 0.1190



13.5747, 0.6037, 0.3963



13.5747, 0.1090, 0.4175

Complementary

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



13.5747, 0.1857, 0.1190



76.9003, 0.4027, 0.4779

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.



13.5747, 0.2086, 0.6560



13.5747, 0.1857, 0.1190



13.5747, 0.4832, 0.5168

Square

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



13.5747, 0.1857, 0.1190



13.5747, 0.6387, 0.3057



13.5747, 0.3441, 0.6559



13.5747, 0.0702, 0.2155

Rectangle

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



13.5747, 0.1857, 0.1190



13.5747, 0.4705, 0.2032



13.5747, 0.3441, 0.6559



13.5747, 0.1357, 0.5095

Sweetspot

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



13.5750, 0.1857, 0.1190



63.2438, 0.2792, 0.2735



66.5108, 0.2355, 0.3288



12.6123, 0.2738, 0.2646



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.



13.5750, 0.1857, 0.1190



10.9022, 0.1654, 0.0854



19.0416, 0.2433, 0.1458



14.5490, 0.2980, 0.3046



3.3384, 0.1500, 0.0600



0.2622, 0.1500, 0.0600

Inverse Universe

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



29.3094, 0.3197, 0.1812



31.3169, 0.3204, 0.1653



66.6340, 0.3459, 0.5133



15.3138, 0.3138, 0.3058



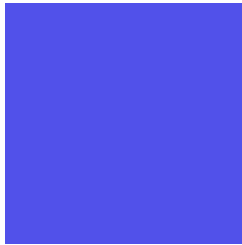
13.1674, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.5747, 0.1857, 0.1190 looks on a white background.

Color Contrast Check

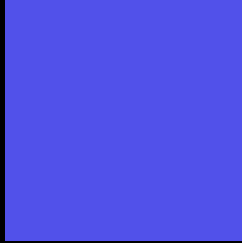
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5747, 0.1857, 0.1190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

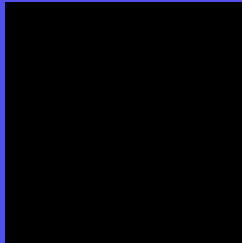
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5747, 0.1857, 0.1190

Background



This preview shows how black text looks on a background with the Yxy color 13.5747, 0.1857, 0.1190.



This preview shows how white text looks on a background with the Yxy color 13.5747, 0.1857, 0.1190.

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

13.5747, 0.1857, 0.1190

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.3578, 0.1855, 0.1879



Tritanopia

13.4398, 0.2192, 0.3091

Trichromacy



Original Color

13.5747, 0.1857, 0.1190

Protanomaly

12.9775, 0.1735, 0.1326

Deuteranomaly

12.7505, 0.1797, 0.1528

Tritanomaly

12.4083, 0.1955, 0.2044

Monochromacy



Original Color

13.5747, 0.1857, 0.1190

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0362, 0.2467, 0.2198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5747, 0.1857, 0.1190 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(81, 81, 234)` looks like.

```
.text, #text, p{  
    color:rgb(81, 81, 234)  
}
```

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(81, 81, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 81, 234) }
```

Border

The CSS property to change the border of an element to Yxy 13.5747, 0.1857, 0.1190 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(81, 81, 234) }
```

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

```
.border{ border-color:rgb(81, 81, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 81, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 81, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 81, 234);  
box-shadow:4px 4px 4px 4px rgb(81, 81,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5747, 0.1857, 0.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 81, 234) }
```

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

```
.background{ background-color: rgb(81, 81,  
234) }
```

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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