

Converting Colors

$Y_{xy}(11.8128, 0.1839, 0.1213)$

Have a look what the booklet for
Yxy(11.8128, 0.1839, 0.1213)
contains.

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Color

Yxy(11.8128, 0.1839, 0.1213)

Conversions

Conversions Part 1

Format	Color
Hex	464EDA
RGB	70, 78, 218
RGB Percent	27%, 31%, 85%
CMY	0.7251, 0.6942, 0.1451
CMYK	0.68, 0.64, 0.00, 0.15
HSL	237°, 67%, 56%
HSV	237°, 68%, 85%
XYZ	17.9091, 11.8128, 67.6631
YIQ	91.5680, -49.7080, 41.8440

Conversions

Conversions Part 2

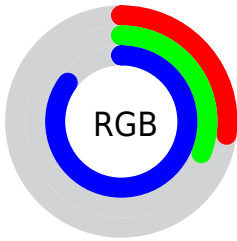
Format	Color
R _Y B	70, 78, 218
Decimal	4607706
CIE Lab	40.92, 41.32, -72.54
CIE LCh	41, 83.479, 299.664
Yxy	11.8128, 0.1839, 0.1213
Android (android.graphics.Color)	4282797786 (0xFF464EDA)
YUV	91.5680, 62.3310, -18.9151
Hunter-Lab	34.3698, 32.8642, -92.6643

Details

The Yxy color **11.8128, 0.1839, 0.1213** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **61.4957, 0.4101, 0.4750**, and the grayscale version is **10.4652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5496, 0.2210, 0.1709**, and **3.6963, 0.1560, 0.0816** is the 20% darker color. If you saturate the color by 10%, you get **8.6574, 0.1685, 0.0949**, and if you desaturate by 10%, it is **16.1826, 0.2027, 0.1527**.

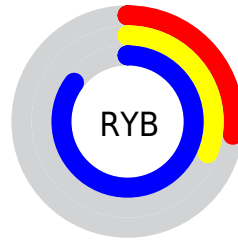
Distribution



Red (27%)

Green (31%)

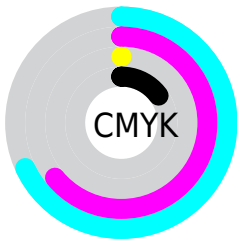
Blue (85%)



Red (27%)

Yellow (31%)

Blue (85%)

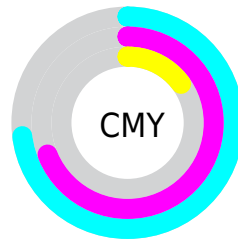


Cyan (68%)

Magenta (64%)

Yellow (0%)

Black (15%)



Cyan (73%)

Magenta (69%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8128, 0.1839, 0.1213 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 11.8128, 0.1839, 0.1213 by changing the saturation by 10% instead.

■ 11.8128, 0.1839,
0.1213

■ 11.8128, 0.1839,
0.1213

203.1620, 0.2572,
0.2239

■ 6.6163, 0.1645,
0.0991

■ 29.1537, 0.2118,
0.1567

■ 3.2233, 0.1400,
0.0737

■ 42.0669, 0.2220,
0.1707

■ 1.2494, 0.1092,
0.0461

■ 58.3212, 0.2305,
0.1827

■ 0.1015, 0.0729,
0.0065

■ 78.3009, 0.2376,
0.1932

■ 0.0000, 0.0064,
0.0000

■ 102.3904, 0.2436,
0.2024

■ 0.0000, 0.0000,
0.0000

130.9742, 0.2488,

0.2104

164.4366, 0.2533,
0.2175

■ 11.8128, 0.1839,
0.1213

■ 11.8128, 0.1839,
0.1213

■ 8.6574, 0.1685,
0.0949

■ 16.1826, 0.2027,
0.1527

■ 6.5927, 0.1576,
0.0756

■ 21.8726, 0.2233,
0.1866

■ 5.4646, 0.1516,
0.0642

■ 28.9777, 0.2444,
0.2207

■ 5.3157, 0.1508,
0.0627

■ 37.5842, 0.2647,
0.2533

■ 47.7712, 0.2836,
0.2833

■ 59.6124, 0.3007,
0.3102

■ 73.1769, 0.3158,
0.3338

■ 88.5298, 0.3291,
0.3544

■ 97.8418, 0.3346,
0.3651

Harmonies

Analogous

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



11.8128, 0.1068, 0.1130



11.8128, 0.1839, 0.1213



11.8128, 0.3298, 0.1603

Triad

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



11.8128, 0.1839, 0.1213



11.8128, 0.6047, 0.3953



11.8128, 0.1164, 0.4263

Complementary

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



11.8128, 0.1839, 0.1213



61.4957, 0.4101, 0.4750

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.



11.8128, 0.2179, 0.6506



11.8128, 0.1839, 0.1213



11.8128, 0.4888, 0.5112

Square

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



11.8128, 0.1839, 0.1213



11.8128, 0.6306, 0.3050



11.8128, 0.3534, 0.6466



11.8128, 0.0745, 0.2244

Rectangle

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



11.8128, 0.1839, 0.1213



11.8128, 0.4587, 0.2029



11.8128, 0.3534, 0.6466



11.8128, 0.1441, 0.5148

Sweetspot

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



11.8131, 0.1839, 0.1213



64.5472, 0.2794, 0.2766



56.0073, 0.2385, 0.3425



12.9165, 0.2741, 0.2682



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.



11.8131, 0.1839, 0.1213



11.0352, 0.1637, 0.0865



14.5371, 0.2308, 0.1358



12.7280, 0.2981, 0.3061



3.2334, 0.1510, 0.0636



0.2496, 0.1540, 0.0742

Inverse Universe

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



19.8465, 0.5269, 0.3219



23.7315, 0.5878, 0.3235



57.4450, 0.3534, 0.5141



13.0627, 0.3283, 0.3278



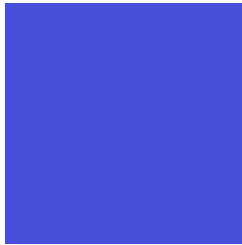
8.9502, 0.6340, 0.3266



0.5839, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 11.8128, 0.1839, 0.1213 looks on a white background.

Color Contrast Check

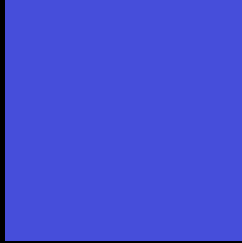
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8128, 0.1839, 0.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

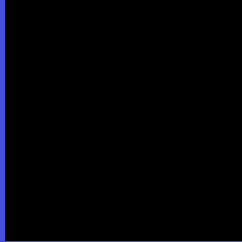
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8128, 0.1839, 0.1213

Background



This preview shows how black text looks on a background with the Yxy color 11.8128, 0.1839, 0.1213.



This preview shows how white text looks on a background with the Yxy color 11.8128, 0.1839, 0.1213.

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

11.8128, 0.1839, 0.1213

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.7508, 0.1860, 0.1896



Tritanopia

11.5230, 0.2189, 0.3079

Trichromacy



Original Color

11.8128, 0.1839, 0.1213

Protanomaly

11.3827, 0.1738, 0.1345

Deuteranomaly

11.2340, 0.1802, 0.1556

Tritanomaly

10.8394, 0.1958, 0.2071

Monochromacy



Original Color

11.8128, 0.1839, 0.1213

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5362, 0.2445, 0.2211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8128, 0.1839, 0.1213 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(70, 78, 218)` looks like.

```
.text, #text, p{  
    color:rgb(70, 78, 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(70, 78, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 78, 218) }
```

Border

The CSS property to change the border of an element to Yxy 11.8128, 0.1839, 0.1213 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(70, 78, 218) }
```

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

```
.border{ border-color:rgb(70, 78, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 78, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 78, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 78, 218);  
box-shadow:4px 4px 4px 4px rgb(70, 78,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8128, 0.1839, 0.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 78, 218) }
```

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

```
.background{ background-color: rgb(70, 78,  
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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