

Converting Colors

$Y_{xy}(15.9617, 0.2350, 0.2143)$

Have a look what the booklet for
Yxy(15.9617, 0.2350, 0.2143)
contains.

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Color

Yxy(15.9807, 0.2346, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	606BAC
RGB	96, 107, 172
RGB Percent	38%, 42%, 67%
CMY	0.6236, 0.5804, 0.3254
CMYK	0.44, 0.38, 0.00, 0.33
HSL	231°, 31%, 53%
HSV	231°, 44%, 67%
XYZ	17.5272, 15.9807, 41.2032
YIQ	111.1210, -27.4210, 17.8830

Conversions

Conversions Part 2

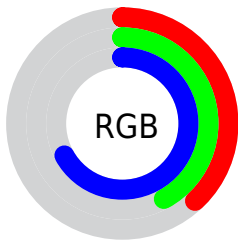
Format	Color
R_{YB}	96, 106, 172
Decimal	6319020
CIE _{Lab}	46.95, 13.26, -36.13
CIE _{LCh}	47, 38.486, 290.158
Yxy	15.9807, 0.2346, 0.2139
Android (android.graphics.Color)	4284509100 (0xFF606BAC)
YUV	111.1210, 30.0133, -13.2611
Hunter-Lab	39.9759, 8.3047, -33.1271

Details

The Yxy color **15.9807, 0.2346, 0.2139** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.1036, 0.3834, 0.4223**, and the grayscale version is **15.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5392, 0.2524, 0.2376**, and **5.0772, 0.2039, 0.1742** is the 20% darker color. If you saturate the color by 10%, you get **12.3381, 0.2149, 0.1828**, and if you desaturate by 10%, it is **20.3502, 0.2542, 0.2440**.

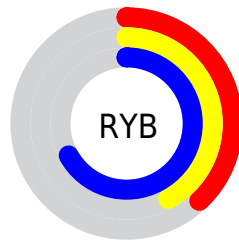
Distribution



Red (38%)

Green (42%)

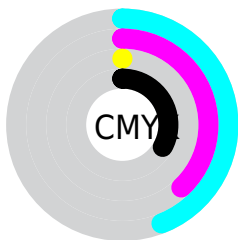
Blue (67%)



Red (38%)

Yellow (42%)

Blue (67%)

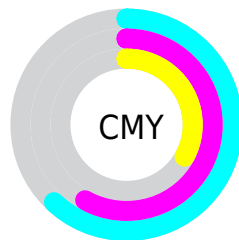


Cyan (44%)

Magenta (38%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (58%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9807, 0.2346, 0.2139 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 15.9807, 0.2346, 0.2139 by changing the saturation by 10% instead.

■ 15.9807, 0.2346,
0.2139

■ 15.9807, 0.2346,
0.2139

■ 229.2278, 0.2795,
0.2770

■ 9.5105, 0.2214,
0.1966

■ 36.5647, 0.2524,
0.2381

■ 5.0756, 0.2032,
0.1737

■ 51.4473, 0.2587,
0.2468

■ 2.2917, 0.1772,
0.1427

■ 69.9028, 0.2638,
0.2540

■ 0.7693, 0.1386,
0.0993

■ 92.3156, 0.2680,
0.2601

■ 0.0000, 0.0010,
0.0000

■ 119.0701, 0.2716,
0.2653

■ 0.0000, 0.0000,
0.0000

150.5507, 0.2746,

0.2698

187.1418, 0.2772,
0.2736

■ 15.9807, 0.2346,
0.2139

■ 15.9807, 0.2346,
0.2139

■ 12.3381, 0.2149,
0.1828

■ 20.3502, 0.2542,
0.2440

■ 9.3808, 0.1962,
0.1520

■ 25.4815, 0.2730,
0.2720

■ 7.0655, 0.1796,
0.1235

■ 31.4095, 0.2905,
0.2975

■ 5.3434, 0.1664,
0.0991

■ 38.1664, 0.3065,
0.3203

■ 4.1580, 0.1572,
0.0804

■ 45.7825, 0.3208,
0.3403

■ 3.6732, 0.1534,
0.0723

■ 54.2866, 0.3336,
0.3577

■ 63.7062, 0.3448,
0.3729

■ 74.0676, 0.3548,
0.3860

■ 85.3960, 0.3635,
0.3973

Harmonies

Analogous

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



15.9807, 0.1937, 0.2194



15.9807, 0.2346, 0.2139



15.9807, 0.3008, 0.2321

Triad

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



15.9807, 0.2346, 0.2139



15.9807, 0.4650, 0.3769



15.9807, 0.2413, 0.3988

Complementary

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



15.9807, 0.2346, 0.2139



35.1036, 0.3834, 0.4223

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.



15.9807, 0.3092, 0.4598



15.9807, 0.2346, 0.2139



15.9807, 0.4400, 0.4308

Square

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



15.9807, 0.2346, 0.2139



15.9807, 0.4433, 0.3206



15.9807, 0.3820, 0.4671



15.9807, 0.1961, 0.3167

Rectangle

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



15.9807, 0.2346, 0.2139



15.9807, 0.3535, 0.2554



15.9807, 0.3820, 0.4671



15.9807, 0.2621, 0.4238

Sweetspot

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



15.9813, 0.2346, 0.2139



58.0954, 0.2922, 0.2999



34.5597, 0.2614, 0.3478



12.0894, 0.2886, 0.2947



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.9813, 0.2346, 0.2139



22.5332, 0.2154, 0.1836



15.5204, 0.2588, 0.2035



7.9378, 0.2986, 0.3090



2.7839, 0.1538, 0.0735



0.1340, 0.1658, 0.1167

Inverse Universe

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



18.1954, 0.4097, 0.3126



27.5332, 0.4444, 0.3096



36.4155, 0.3506, 0.4462



8.0336, 0.3264, 0.3257



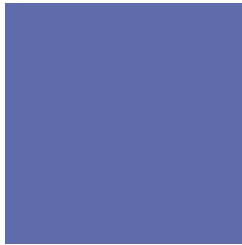
6.5841, 0.6175, 0.3175



0.1889, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 15.9807, 0.2346, 0.2139 looks on a white background.

Color Contrast Check

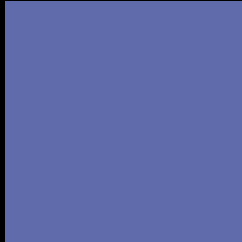
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9807, 0.2346, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

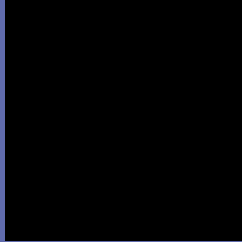
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9807, 0.2346, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 15.9807, 0.2346, 0.2139.

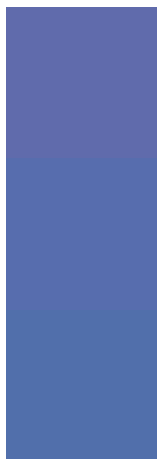


This preview shows how white text looks on a background with the Yxy color 15.9807, 0.2346, 0.2139.

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

15.9807, 0.2346, 0.2139

Protanopia

16.0195, 0.2263, 0.2128

Deuteranopia

16.0585, 0.2243, 0.2192



Tritanopia

16.0679, 0.2640, 0.3097

Trichromacy



Original Color

15.9807, 0.2346, 0.2139

Protanomaly

15.9159, 0.2291, 0.2129

Deuteranomaly

16.0706, 0.2278, 0.2184

Tritanomaly

15.8681, 0.2522, 0.2689

Monochromacy



Original Color

15.9807, 0.2346, 0.2139

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9095, 0.2808, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9807, 0.2346, 0.2139 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(96, 107, 172)` looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 172)  
}
```

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(96, 107, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 172) }
```

Border

The CSS property to change the border of an element to Yxy 15.9807, 0.2346, 0.2139 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(96, 107, 172) }
```

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

```
.border{ border-color:rgb(96, 107, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 107, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 172);  
box-shadow:4px 4px 4px 4px rgb(96, 107,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9807, 0.2346, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 172) }
```

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

```
.background{ background-color: rgb(96, 107,  
172) }
```

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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