

Converting Colors

$Y_{xy}(30.4840, 0.2399, 0.2219)$

Have a look what the booklet for
Yxy(30.4840, 0.2399, 0.2219)
contains.

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Color

Yxy(30.4840, 0.2399, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	8491DF
RGB	132, 145, 223
RGB Percent	52%, 57%, 87%
CMY	0.4823, 0.4313, 0.1256
CMYK	0.41, 0.35, 0.00, 0.13
HSL	231°, 59%, 70%
HSV	231°, 41%, 87%
XYZ	32.9568, 30.4840, 73.9364
YIQ	150.0050, -32.7860, 21.5020

Conversions

Conversions Part 2

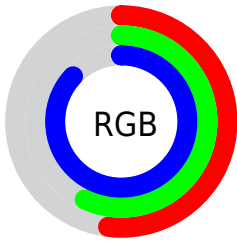
Format	Color
R_{YB}	132, 143, 223
Decimal	8688095
CIE _{Lab}	62.07, 14.76, -41.19
CIE _{LCh}	62, 43.753, 289.717
Yxy	30.4840, 0.2399, 0.2219
Android (android.graphics.Color)	4286878175 (0xFF8491DF)
YUV	150.0050, 35.9865, -15.7904
Hunter-Lab	55.2123, 9.9269, -40.7483

Details

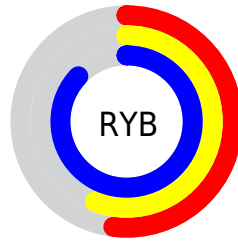
The Yxy color **30.4840, 0.2399, 0.2219** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **63.4241, 0.3789, 0.4170**, and the grayscale version is **30.3572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7582, 0.2682, 0.2661**, and **12.5522, 0.2176, 0.1934** is the 20% darker color. If you saturate the color by 10%, you get **23.5181, 0.2198, 0.1903**, and if you desaturate by 10%, it is **38.8185, 0.2597, 0.2521**.

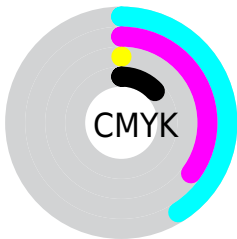
Distribution



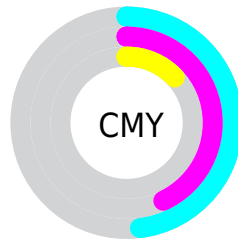
- Red (52%)
- Green (57%)
- Blue (87%)



- Red (52%)
- Yellow (56%)
- Blue (87%)



- Cyan (41%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)




- Cyan (48%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4840, 0.2399, 0.2219 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 30.4840, 0.2399, 0.2219 by changing the saturation by 10% instead.


 30.4840, 0.2399,
0.2219


 30.4840, 0.2399,
0.2219


304.1540, 0.2780,
0.2753

 20.2062, 0.2301,
0.2089


 60.4268, 0.2540,
0.2411

 12.5451, 0.2175,
0.1927


 80.8606, 0.2592,
0.2484

 7.1160, 0.2007,
0.1718


 105.4485, 0.2636,
0.2546

 3.5348, 0.1777,
0.1444

134.5749, 0.2674,
0.2599

 1.4169, 0.1452,
0.1081

168.6243, 0.2706,
0.2645

 0.2291, 0.0970,
0.0384

207.9811, 0.2734,

 0.0000, 0.0000,

0.2686

0.0000

253.0295, 0.2758,
0.2721

■ 30.4840, 0.2399,
0.2219

■ 30.4840, 0.2399,
0.2219

■ 23.5181, 0.2198,
0.1903

■ 38.8185, 0.2597,
0.2521

■ 17.8437, 0.2003,
0.1587

■ 48.5863, 0.2785,
0.2800

■ 13.3809, 0.1829,
0.1290

■ 59.8523, 0.2959,
0.3051

■ 10.0394, 0.1686,
0.1032

■ 72.6761, 0.3115,
0.3273

■ 7.7158, 0.1585,
0.0830

■ 87.1142, 0.3255,
0.3468

■ 6.3525, 0.1529,
0.0702

■ 98.1060, 0.3316,
0.3602

Harmonies

Analogous

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



30.4840, 0.2018, 0.2278



30.4840, 0.2399, 0.2219



30.4840, 0.3011, 0.2385

Triad

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



30.4840, 0.2399, 0.2219



30.4840, 0.4528, 0.3740



30.4840, 0.2481, 0.3936

Complementary

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



30.4840, 0.2399, 0.2219



63.4241, 0.3789, 0.4170

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.



30.4840, 0.3114, 0.4482



30.4840, 0.2399, 0.2219



30.4840, 0.4313, 0.4236

Square

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



30.4840, 0.2399, 0.2219



30.4840, 0.4318, 0.3213



30.4840, 0.3785, 0.4556



30.4840, 0.2052, 0.3195

Rectangle

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



30.4840, 0.2399, 0.2219



30.4840, 0.3494, 0.2603



30.4840, 0.3785, 0.4556



30.4840, 0.2676, 0.4160

Sweetspot

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



30.4851, 0.2399, 0.2219



79.0454, 0.2937, 0.3020



62.2840, 0.2639, 0.3464



16.4709, 0.2915, 0.2988



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.



30.4851, 0.2399, 0.2219



33.1227, 0.2226, 0.1949



29.7049, 0.2629, 0.2120



13.5578, 0.2981, 0.3083



3.8345, 0.1533, 0.0718



0.3675, 0.1597, 0.0950

Inverse Universe

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



34.2309, 0.4013, 0.3137



39.3740, 0.4309, 0.3109



65.5180, 0.3487, 0.4388



13.7323, 0.3270, 0.3257



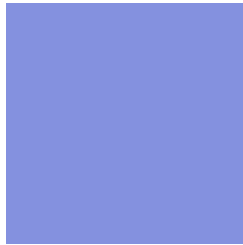
9.2951, 0.6202, 0.3190



0.6546, 0.5835, 0.2988

Previews

White Background



This preview shows how the Yxy color 30.4840, 0.2399, 0.2219 looks on a white background.

Color Contrast Check

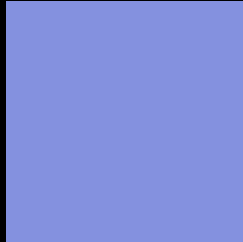
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.4840, 0.2399, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

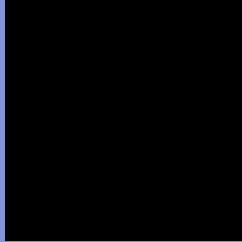
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4840, 0.2399, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 30.4840, 0.2399, 0.2219.



This preview shows how white text looks on a background with the Yxy color 30.4840, 0.2399, 0.2219.

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

30.4840, 0.2399, 0.2219

Protanopia

30.5146, 0.2331, 0.2209

Deuteranopia

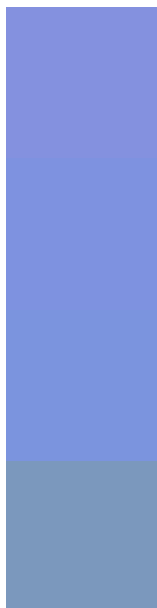
30.6204, 0.2320, 0.2262



Tritanopia

30.4931, 0.2678, 0.3079

Trichromacy



Original Color

30.4840, 0.2399, 0.2219

Protanomaly

30.3752, 0.2354, 0.2211

Deuteranomaly

30.6647, 0.2350, 0.2256

Tritanomaly

30.3415, 0.2565, 0.2723

Monochromacy



Original Color

30.4840, 0.2399, 0.2219

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.1938, 0.2819, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4840, 0.2399, 0.2219 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(132, 145, 223)` looks like.

```
.text, #text, p{  
    color:rgb(132, 145, 223)  
}
```

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(132, 145, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 145, 223) }
```

Border

The CSS property to change the border of an element to Yxy 30.4840, 0.2399, 0.2219 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(132, 145, 223) }
```

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

```
.border{ border-color:rgb(132, 145, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 145, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 145, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 145, 223);  
box-shadow:4px 4px 4px 4px rgb(132, 145,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4840, 0.2399, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 145, 223) }
```

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

```
.background{ background-color: rgb(132,  
145, 223) }
```

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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