

Converting Colors

$Y_{xy}(23.4833, 0.2379, 0.1936)$

Have a look what the booklet for
Yxy(23.4833, 0.2379, 0.1936)
contains.

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Color

Yxy(23.5900, 0.2384, 0.1947)

Conversions

Conversions Part 1

Format	Color
Hex	8479D9
RGB	132, 121, 217
RGB Percent	52%, 47%, 85%
CMY	0.4821, 0.5256, 0.1490
CMYK	0.39, 0.44, 0.00, 0.15
HSL	247°, 56%, 66%
HSV	247°, 44%, 85%
XYZ	28.8847, 23.5900, 68.6860
YIQ	135.2330, -24.2600, 32.1880

Conversions

Conversions Part 2

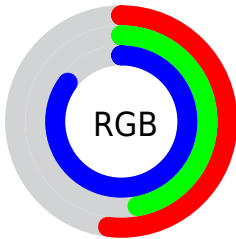
Format	Color
RYB	132, 121, 217
Decimal	8681945
CIELab	55.67, 27.22, -47.95
CIELCh	56, 55.135, 299.580
Yxy	23.5900, 0.2384, 0.1947
Android (android.graphics.Color)	4286872025 (0xFF8479D9)
YUV	135.2330, 40.3111, -2.8353
Hunter-Lab	48.5695, 21.1588, -49.8480

Details

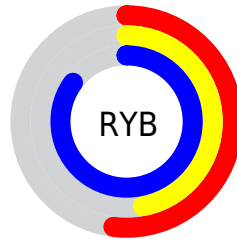
The Yxy color **23.5900, 0.2384, 0.1947** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.1269, 0.3692, 0.4408**, and the grayscale version is **24.1764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7985, 0.2653, 0.2360**, and **8.7857, 0.2132, 0.1586** is the 20% darker color. If you saturate the color by 10%, you get **17.4886, 0.2183, 0.1603**, and if you desaturate by 10%, it is **31.1642, 0.2580, 0.2290**.

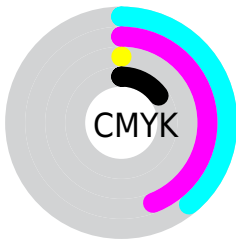
Distribution



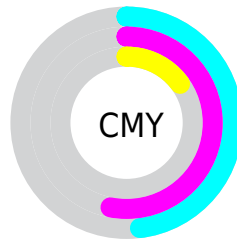
- Red (52%)
- Green (47%)
- Blue (85%)



- Red (52%)
- Yellow (47%)
- Blue (85%)



- Cyan (39%)
- Magenta (44%)
- Yellow (0%)
- Black (15%)





- Cyan (48%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5900, 0.2384, 0.1947 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 23.5900, 0.2384, 0.1947 by changing the saturation by 10% instead.


 23.5900, 0.2384,
0.1947


 23.5900, 0.2384,
0.1947


270.7411, 0.2792,
0.2618


 15.0298, 0.2274,
0.1786


 49.3603, 0.2539,
0.2187

 8.8403, 0.2130,
0.1586


 67.3392, 0.2595,
0.2279

 4.6371, 0.1935,
0.1334


 89.2264, 0.2642,
0.2357

 2.0360, 0.1664,
0.1015

115.4063, 0.2682,
0.2424

 0.6283, 0.1282,
0.0603

146.2633, 0.2715,
0.2482

 0.0000, 0.0465,
0.0000

182.1818, 0.2744,

 0.0000, 0.0000,

0.2533

0.0000

223.5463, 0.2770,
0.2578

■ 23.5900, 0.2384,
0.1947

■ 23.5900, 0.2384,
0.1947

■ 17.4886, 0.2183,
0.1603

■ 31.1642, 0.2580,
0.2290

■ 12.7612, 0.1987,
0.1281

■ 40.2962, 0.2762,
0.2616

■ 9.3010, 0.1812,
0.1004

■ 51.0673, 0.2926,
0.2916

■ 6.9842, 0.1671,
0.0794

■ 63.5528, 0.3071,
0.3185

■ 5.6612, 0.1574,
0.0665

■ 77.8229, 0.3197,
0.3423

■ 5.2174, 0.1537,
0.0620

■ 93.9441, 0.3305,
0.3631

■ 97.7905, 0.3351,
0.3661

Harmonies

Analogous

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



23.5900, 0.1807, 0.1908



23.5900, 0.2384, 0.1947



23.5900, 0.3270, 0.2239

Triad

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



23.5900, 0.2384, 0.1947



23.5900, 0.4957, 0.4023



23.5900, 0.2023, 0.3838

Complementary

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



23.5900, 0.2384, 0.1947



64.1269, 0.3692, 0.4408

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.



23.5900, 0.2767, 0.4806



23.5900, 0.2384, 0.1947



23.5900, 0.4461, 0.4675

Square

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



23.5900, 0.2384, 0.1947



23.5900, 0.4915, 0.3354



23.5900, 0.3658, 0.5075



23.5900, 0.1614, 0.2816

Rectangle

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



23.5900, 0.2384, 0.1947



23.5900, 0.3940, 0.2552



23.5900, 0.3658, 0.5075



23.5900, 0.2239, 0.4204

Sweetspot

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



23.5909, 0.2384, 0.1947



75.4987, 0.2944, 0.2948



53.8994, 0.2511, 0.3161



15.3616, 0.2909, 0.2885



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.



23.5909, 0.2384, 0.1947



25.8036, 0.2198, 0.1629



28.2173, 0.2801, 0.2087



12.6887, 0.2999, 0.3049



3.1813, 0.1543, 0.0624



0.2306, 0.1650, 0.0683

Inverse Universe

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



32.8779, 0.3288, 0.2320



40.9137, 0.3328, 0.2142



58.4247, 0.3327, 0.4558



13.2476, 0.3155, 0.3086



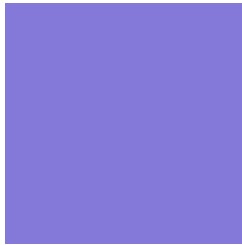
11.2433, 0.3521, 0.1714



0.7359, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 23.5900, 0.2384, 0.1947 looks on a white background.

Color Contrast Check

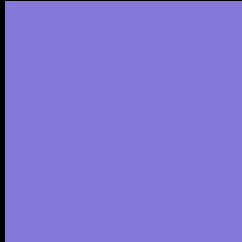
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.5900, 0.2384, 0.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

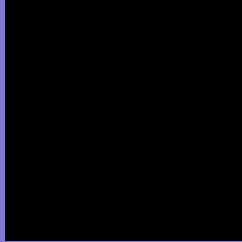
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5900, 0.2384, 0.1947

Background



This preview shows how black text looks on a background with the Yxy color 23.5900, 0.2384, 0.1947.



This preview shows how white text looks on a background with the Yxy color 23.5900, 0.2384, 0.1947.

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

23.5900, 0.2384, 0.1947

Protanopia

23.7834, 0.2095, 0.1900

Deuteranopia

23.8837, 0.2125, 0.2071



Tritanopia

23.7109, 0.2811, 0.3113

Trichromacy



Original Color

23.5900, 0.2384, 0.1947

Protanomaly

23.6323, 0.2183, 0.1913

Deuteranomaly

23.4904, 0.2204, 0.2013

Tritanomaly

23.3487, 0.2644, 0.2617

Monochromacy



Original Color

23.5900, 0.2384, 0.1947

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7502, 0.2820, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5900, 0.2384, 0.1947 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, 121, 217)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 217)  
}
```

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, 121, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 217) }
```

Border

The CSS property to change the border of an element to Yxy 23.5900, 0.2384, 0.1947 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, 121, 217) }
```

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

```
.border{ border-color:rgb(132, 121, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 217);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5900, 0.2384, 0.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 217) }
```

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

```
.background{ background-color: rgb(132,  
121, 217) }
```

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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