

Converting Colors

$Y_{xy}(23.3721, 0.2384, 0.2381)$

Have a look what the booklet for
Yxy(23.3721, 0.2384, 0.2381)
contains.

Yxy(23.5134, 0.2388, 0.2388)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5134, 0.2388, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	6A85BD
RGB	106, 133, 189
RGB Percent	42%, 52%, 74%
CMY	0.5844, 0.4784, 0.2589
CMYK	0.44, 0.30, 0.00, 0.26
HSL	220°, 39%, 58%
HSV	220°, 44%, 74%
XYZ	23.5134, 23.5134, 51.4380
YIQ	131.3110, -34.0680, 11.6920

Conversions

Conversions Part 2

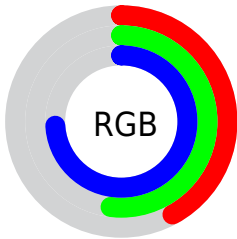
Format	Color
R_{YB}	106, 126, 189
Decimal	6981053
CIE _{Lab}	55.60, 5.27, -32.32
CIE _{LCh}	56, 32.749, 279.261
Yxy	23.5134, 0.2388, 0.2388
Android (android.graphics.Color)	4285171133 (0xFF6A85BD)
YUV	131.3110, 28.4407, -22.1977
Hunter-Lab	48.4906, 1.6972, -28.9504

Details

The Yxy color **23.5134, 0.2388, 0.2388** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **37.6831, 0.3918, 0.4045**, and the grayscale version is **22.7183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3487, 0.2541, 0.2565**, and **8.8200, 0.2137, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **19.2006, 0.2211, 0.2137**, and if you desaturate by 10%, it is **28.5065, 0.2567, 0.2626**.

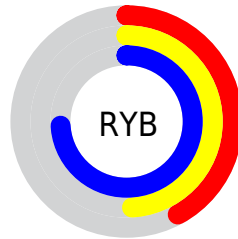
Distribution



Red (42%)

Green (52%)

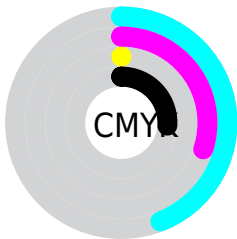
Blue (74%)



Red (42%)

Yellow (49%)

Blue (74%)

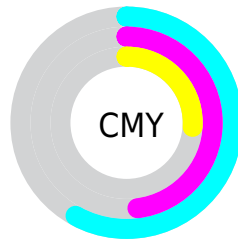


Cyan (44%)

Magenta (30%)

Yellow (0%)

Black (26%)



Cyan (58%)

Magenta (48%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5134, 0.2388, 0.2388 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 23.5134, 0.2388, 0.2388 by changing the saturation by 10% instead.

■ 23.5134, 0.2388,
0.2388

■ 23.5134, 0.2388,
0.2388

270.3511, 0.2789,
0.2869

■ 14.9731, 0.2279,
0.2260

■ 49.2350, 0.2541,
0.2569

■ 8.8005, 0.2134,
0.2093

■ 67.1850, 0.2596,
0.2635

■ 4.6113, 0.1934,
0.1865

■ 89.0403, 0.2642,
0.2690

■ 2.0210, 0.1646,
0.1546

■ 115.1854, 0.2681,
0.2737

■ 0.6197, 0.1213,
0.1047

146.0046, 0.2714,
0.2777

■ 0.0000, 0.0000,
0.0000

181.8824, 0.2742,

0.2812

223.2031, 0.2767,
0.2842

■ 23.5134, 0.2388,
0.2388

■ 23.5134, 0.2388,
0.2388

■ 19.2006, 0.2211,
0.2137

■ 28.5065, 0.2567,
0.2626

■ 15.5335, 0.2043,
0.1879

■ 34.2070, 0.2743,
0.2847

■ 12.4779, 0.1893,
0.1625

■ 40.6437, 0.2911,
0.3046

■ 9.9950, 0.1767,
0.1385

■ 47.8428, 0.3068,
0.3225

■ 8.0400, 0.1673,
0.1172

■ 55.8292, 0.3215,
0.3384

■ 7.0699, 0.1627,
0.1057

■ 64.6266, 0.3349,
0.3523

■ 74.2578, 0.3471,
0.3645

■ 84.3309, 0.3567,
0.3754

■ 91.8906, 0.3537,
0.3873

Harmonies

Analogous

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



23.5134, 0.2137, 0.2523



23.5134, 0.2388, 0.2388



23.5134, 0.2844, 0.2462

Triad

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



23.5134, 0.2388, 0.2388



23.5134, 0.4253, 0.3531



23.5134, 0.2774, 0.3993

Complementary

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



23.5134, 0.2388, 0.2388



37.6831, 0.3918, 0.4045

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.



23.5134, 0.3329, 0.4314



23.5134, 0.2388, 0.2388



23.5134, 0.4206, 0.3961

Square

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



23.5134, 0.2388, 0.2388



23.5134, 0.3959, 0.3090



23.5134, 0.3856, 0.4273



23.5134, 0.2339, 0.3429

Rectangle

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



23.5134, 0.2388, 0.2388



23.5134, 0.3225, 0.2611



23.5134, 0.3856, 0.4273



23.5134, 0.2952, 0.4138

Sweetspot

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



23.5143, 0.2388, 0.2388



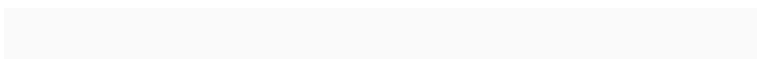
73.6800, 0.2922, 0.3060



42.0386, 0.2708, 0.3720



15.2664, 0.2886, 0.3018



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.5143, 0.2388, 0.2388



34.4474, 0.2212, 0.2139



17.9563, 0.2438, 0.1985



9.7192, 0.2984, 0.3131



4.8825, 0.1633, 0.1080



0.3132, 0.1774, 0.1586

Inverse Universe

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



22.8144, 0.3885, 0.2918



34.0956, 0.4156, 0.2843



46.5635, 0.3645, 0.4407



9.5862, 0.3239, 0.3216



7.5226, 0.5640, 0.2881



0.3070, 0.4948, 0.2500

Previews

White Background



This preview shows how the Yxy color 23.5134, 0.2388, 0.2388 looks on a white background.

Color Contrast Check

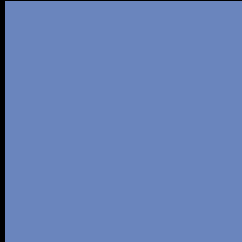
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5134, 0.2388, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

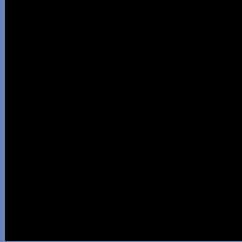
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

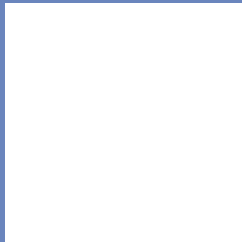
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5134, 0.2388, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 23.5134, 0.2388, 0.2388.

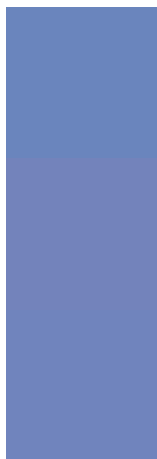


This preview shows how white text looks on a background with the Yxy color 23.5134, 0.2388, 0.2388.

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

23.5134, 0.2388, 0.2388

Protanopia

23.4653, 0.2468, 0.2397

Deuteranopia

23.6214, 0.2432, 0.2382



Tritanopia

23.4773, 0.2603, 0.3088

Trichromacy



Original Color

23.5134, 0.2388, 0.2388

Protanomaly

23.5781, 0.2439, 0.2395

Deuteranomaly

23.4916, 0.2416, 0.2378

Tritanomaly

23.3173, 0.2520, 0.2799

Monochromacy



Original Color

23.5134, 0.2388, 0.2388

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.9071, 0.2820, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5134, 0.2388, 0.2388 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(106, 133, 189)` looks like.

```
.text, #text, p{  
    color:rgb(106, 133, 189)  
}
```

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(106, 133, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 133, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.5134, 0.2388, 0.2388 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(106, 133, 189) }
```

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

```
.border{ border-color:rgb(106, 133, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 133, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 133, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 133, 189);  
box-shadow:4px 4px 4px 4px rgb(106, 133,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5134, 0.2388, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 133, 189) }
```

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

```
.background{ background-color: rgb(106,  
133, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor