

Converting Colors

$Y_{xy}(23.4699, 0.2438, 0.2406)$

Have a look what the booklet for
Yxy(23.4699, 0.2438, 0.2406)
contains.

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Color

Yxy(23.4699, 0.2438, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	6F84BB
RGB	111, 132, 187
RGB Percent	44%, 52%, 73%
CMY	0.5645, 0.4824, 0.2666
CMYK	0.41, 0.29, 0.00, 0.27
HSL	223°, 36%, 58%
HSV	223°, 41%, 73%
XYZ	23.7821, 23.4699, 50.2954
YIQ	131.9910, -30.1710, 12.6530

Conversions

Conversions Part 2

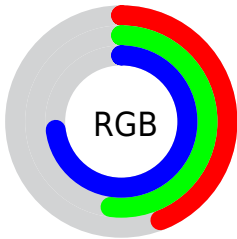
Format	Color
R_{YB}	111, 127, 187
Decimal	7308475
CIE Lab	55.55, 6.65, -31.24
CIE LCh	56, 31.936, 282.021
Yxy	23.4699, 0.2438, 0.2406
Android (android.graphics.Color)	4285498555 (0xFF6F84BB)
YUV	131.9910, 27.1194, -18.4091
Hunter-Lab	48.4457, 2.8457, -27.6417

Details

The Yxy color **23.4699, 0.2438, 0.2406** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **39.0151, 0.3829, 0.4036**, and the grayscale version is **22.9834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1683, 0.2582, 0.2589**, and **8.8073, 0.2191, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **18.9430, 0.2254, 0.2140**, and if you desaturate by 10%, it is **28.7297, 0.2621, 0.2657**.

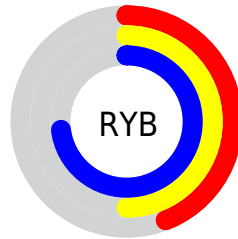
Distribution



Red (44%)

Green (52%)

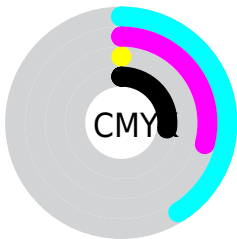
Blue (73%)



Red (44%)

Yellow (50%)

Blue (73%)

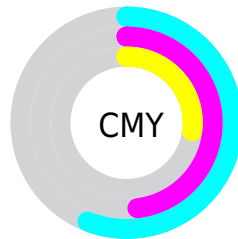


Cyan (41%)

Magenta (29%)

Yellow (0%)

Black (27%)



Cyan (56%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4699, 0.2438, 0.2406 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 23.4699, 0.2438, 0.2406 by changing the saturation by 10% instead.

■ 23.4699, 0.2438,
0.2406

■ 23.4699, 0.2438,
0.2406

■ 270.1294, 0.2814,
0.2877

■ 14.9409, 0.2335,
0.2281

■ 49.1638, 0.2582,
0.2583

■ 8.7779, 0.2197,
0.2116

■ 67.0974, 0.2634,
0.2648

■ 4.5966, 0.2007,
0.1892

■ 88.9346, 0.2676,
0.2702

■ 2.0126, 0.1729,
0.1576

■ 115.0599, 0.2713,
0.2748

■ 0.6148, 0.1306,
0.1075

■ 145.8576, 0.2744,
0.2787

■ 0.0000, 0.0000,
0.0000

181.7122, 0.2770,

0.2821

223.0080, 0.2793,
0.2851

■ 23.4699, 0.2438,
0.2406

■ 23.4699, 0.2438,
0.2406

■ 18.9430, 0.2254,
0.2140

■ 28.7297, 0.2621,
0.2657

■ 15.1121, 0.2076,
0.1866

■ 34.7515, 0.2798,
0.2887

■ 11.9409, 0.1913,
0.1596

■ 41.5661, 0.2964,
0.3094

■ 9.3884, 0.1774,
0.1342

■ 49.2018, 0.3118,
0.3279

■ 7.4081, 0.1667,
0.1117

■ 57.6853, 0.3259,
0.3442

■ 6.0035, 0.1595,
0.0941

■ 67.0421, 0.3387,
0.3585

■ 77.2967, 0.3503,
0.3709

■ 87.3828, 0.3567,
0.3825

■ 95.6751, 0.3534,
0.3949

Harmonies

Analogous

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



23.4699, 0.2172, 0.2519



23.4699, 0.2438, 0.2406



23.4699, 0.2900, 0.2495

Triad

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



23.4699, 0.2438, 0.2406



23.4699, 0.4236, 0.3568



23.4699, 0.2737, 0.3930

Complementary

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



23.4699, 0.2438, 0.2406



39.0151, 0.3829, 0.4036

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.



23.4699, 0.3275, 0.4274



23.4699, 0.2438, 0.2406



23.4699, 0.4160, 0.3983

Square

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



23.4699, 0.2438, 0.2406



23.4699, 0.3978, 0.3133



23.4699, 0.3799, 0.4267



23.4699, 0.2327, 0.3373

Rectangle

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



23.4699, 0.2438, 0.2406



23.4699, 0.3277, 0.2651



23.4699, 0.3799, 0.4267



23.4699, 0.2908, 0.4080

Sweetspot

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



23.4708, 0.2438, 0.2406



72.4132, 0.2938, 0.3063



41.6623, 0.2709, 0.3621



15.5834, 0.2917, 0.3037



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.



23.4708, 0.2438, 0.2406



34.5424, 0.2269, 0.2162



19.5206, 0.2538, 0.2109



9.6419, 0.2984, 0.3119



4.2418, 0.1600, 0.0961



0.2799, 0.1739, 0.1459

Inverse Universe

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



23.6125, 0.3854, 0.2999



35.6329, 0.4111, 0.2937



45.3015, 0.3574, 0.4336



9.5784, 0.3246, 0.3227



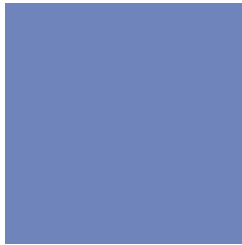
7.4579, 0.5818, 0.2979



0.3036, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 23.4699, 0.2438, 0.2406 looks on a white background.

Color Contrast Check

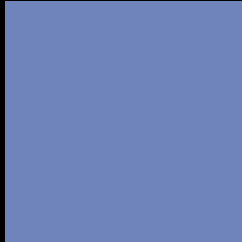
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4699, 0.2438, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

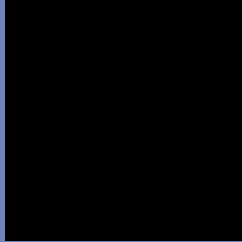
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

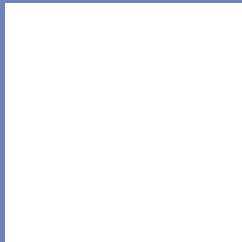
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4699, 0.2438, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 23.4699, 0.2438, 0.2406.

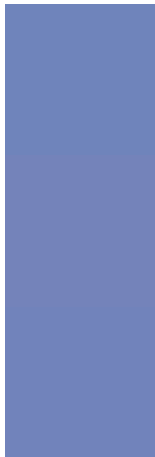


This preview shows how white text looks on a background with the Yxy color 23.4699, 0.2438, 0.2406.

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

23.4699, 0.2438, 0.2406

Protanopia

23.4908, 0.2483, 0.2412

Deuteranopia

23.3312, 0.2451, 0.2393



Tritanopia

23.4920, 0.2659, 0.3090

Trichromacy



Original Color

23.4699, 0.2438, 0.2406

Protanomaly

23.3552, 0.2466, 0.2408

Deuteranomaly

23.2652, 0.2443, 0.2391

Tritanomaly

23.2559, 0.2574, 0.2818

Monochromacy



Original Color

23.4699, 0.2438, 0.2406

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0546, 0.2840, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4699, 0.2438, 0.2406 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(111, 132, 187)` looks like.

```
.text, #text, p{  
    color:rgb(111, 132, 187)  
}
```

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(111, 132, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 132, 187) }
```

Border

The CSS property to change the border of an element to Yxy 23.4699, 0.2438, 0.2406 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(111, 132, 187) }
```

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

```
.border{ border-color:rgb(111, 132, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 132, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 132, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 132, 187);  
box-shadow:4px 4px 4px 4px rgb(111, 132,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4699, 0.2438, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 132, 187) }
```

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

```
.background{ background-color: rgb(111,  
132, 187) }
```

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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