

Converting Colors

$Y_{xy}(23.8306, 0.2101, 0.2384)$

Have a look what the booklet for
Yxy(23.8306, 0.2101, 0.2384)
contains.

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Color

Yxy(23.8306, 0.2101, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	388DC3
RGB	56, 141, 195
RGB Percent	22%, 55%, 76%
CMY	0.7809, 0.4470, 0.2353
CMYK	0.71, 0.28, 0.00, 0.24
HSL	203°, 55%, 49%
HSV	203°, 71%, 76%
XYZ	21.0017, 23.8306, 55.1283
YIQ	121.7410, -67.9940, -1.2260

Conversions

Conversions Part 2

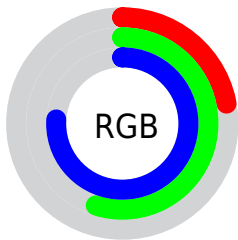
Format	Color
RYB	56, 109, 195
Decimal	3706307
CIELab	55.92, -7.71, -35.41
CIELCh	56, 36.238, 257.715
Yxy	23.8306, 0.2101, 0.2384
Android (android.graphics.Color)	4281896387 (0xFF388DC3)
YUV	121.7410, 36.1167, -57.6549
Hunter-Lab	48.8166, -8.6354, -32.7842

Details

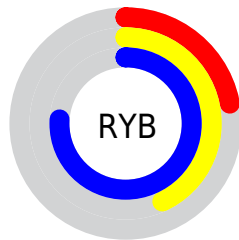
The Yxy color **23.8306, 0.2101, 0.2384** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **23.0141, 0.4924, 0.3938**, and the grayscale version is **19.2610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5338, 0.2300, 0.2562**, and **9.4053, 0.1920, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **21.2194, 0.2005, 0.2234**, and if you desaturate by 10%, it is **26.8146, 0.2217, 0.2533**.

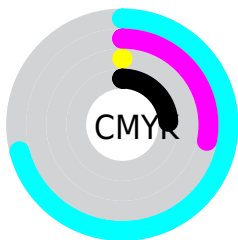
Distribution



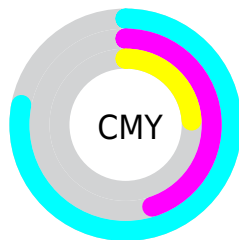
- Red (22%)
- Green (55%)
- Blue (76%)



- Red (22%)
- Yellow (43%)
- Blue (76%)



- Cyan (71%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)



- Cyan (78%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8306, 0.2101, 0.2384 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 23.8306, 0.2101, 0.2384 by changing the saturation by 10% instead.

■ 23.8306, 0.2101,
0.2384

■ 23.8306, 0.2101,
0.2384

■ 271.9629, 0.2644,
0.2876

■ 15.2080, 0.1960,
0.2251

■ 49.7536, 0.2304,
0.2571

■ 8.9655, 0.1777,
0.2077

■ 67.8228, 0.2378,
0.2639

■ 4.7187, 0.1534,
0.1840

■ 89.8097, 0.2441,
0.2695

■ 2.0832, 0.1205,
0.1508

■ 116.0987, 0.2494,
0.2743

■ 0.6551, 0.0676,
0.1019

■ 147.0741, 0.2539,
0.2783

■ 0.0000, 0.0000,
0.0000

183.1203, 0.2579,

0.2818

224.6218, 0.2613,
0.2849

■ 23.8306, 0.2101,
0.2384

■ 23.8306, 0.2101,
0.2384

■ 21.2194, 0.2005,
0.2234

■ 26.8146, 0.2217,
0.2533

■ 18.9484, 0.1929,
0.2086

■ 30.1946, 0.2348,
0.2678

■ 17.2113, 0.1878,
0.1961

■ 33.9943, 0.2492,
0.2817

■ 38.2342, 0.2643,
0.2947

■ 42.9333, 0.2798,
0.3068

■ 48.1093, 0.2953,
0.3178

■ 53.7788, 0.3107,
0.3277

■ 59.9574, 0.3256,
0.3367

■ 66.6601, 0.3399,
0.3446

Harmonies

Analogous

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



23.8306, 0.2008, 0.2701



23.8306, 0.2101, 0.2384



23.8306, 0.2438, 0.2309

Triad

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



23.8306, 0.2101, 0.2384



23.8306, 0.4171, 0.3197



23.8306, 0.3165, 0.4368

Complementary

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



23.8306, 0.2101, 0.2384



23.0141, 0.4924, 0.3938

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.



23.8306, 0.3770, 0.4421



23.8306, 0.2101, 0.2384



23.8306, 0.4390, 0.3680

Square

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



23.8306, 0.2101, 0.2384



23.8306, 0.3632, 0.2763



23.8306, 0.4228, 0.4132



23.8306, 0.2582, 0.3908

Rectangle

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



23.8306, 0.2101, 0.2384



23.8306, 0.2783, 0.2380



23.8306, 0.4228, 0.4132



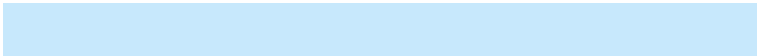
23.8306, 0.3373, 0.4433

Sweetspot

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



23.8314, 0.2101, 0.2384



76.9010, 0.2798, 0.3068



40.9810, 0.2778, 0.4761



16.3027, 0.2754, 0.3035



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.



23.8314, 0.2101, 0.2384



35.4944, 0.1957, 0.2145



9.4276, 0.1817, 0.1241



10.7507, 0.2984, 0.3199



11.3522, 0.1883, 0.1980



0.6210, 0.1974, 0.2305

Inverse Universe

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



16.3440, 0.3994, 0.2273



24.8360, 0.4277, 0.2213



44.0395, 0.4203, 0.4711



10.1791, 0.3196, 0.3150



8.4282, 0.4475, 0.2239



0.3773, 0.4121, 0.2044

Previews

White Background



This preview shows how the Yxy color 23.8306, 0.2101, 0.2384 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 23.8306, 0.2101, 0.2384 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

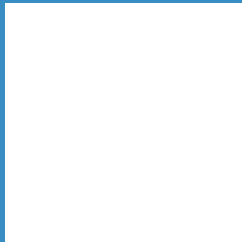
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8306, 0.2101, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 23.8306, 0.2101, 0.2384.

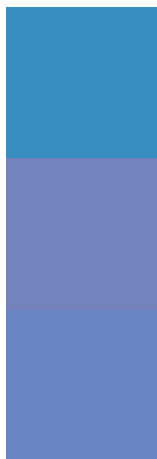


This preview shows how white text looks on a background with the Yxy color 23.8306, 0.2101, 0.2384.

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

23.8306, 0.2101, 0.2384

Protanopia

23.5335, 0.2476, 0.2399

Deuteranopia

23.5370, 0.2327, 0.2268



Tritanopia

23.9375, 0.2218, 0.3059

Trichromacy



Original Color

23.8306, 0.2101, 0.2384

Protanomaly

23.4253, 0.2302, 0.2389

Deuteranomaly

23.3397, 0.2224, 0.2301

Tritanomaly

23.6612, 0.2163, 0.2776

Monochromacy



Original Color

23.8306, 0.2101, 0.2384

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4671, 0.2609, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8306, 0.2101, 0.2384 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(56, 141, 195)` looks like.

```
.text, #text, p{  
    color:rgb(56, 141, 195)  
}
```

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(56, 141, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 141, 195) }
```

Border

The CSS property to change the border of an element to Yxy 23.8306, 0.2101, 0.2384 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(56, 141, 195) }
```

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

```
.border{ border-color:rgb(56, 141, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 141, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 141, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 141, 195);  
box-shadow:4px 4px 4px 4px rgb(56, 141,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8306, 0.2101, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 141, 195) }
```

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

```
.background{ background-color: rgb(56, 141,  
195) }
```

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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