

Converting Colors

$Y_{xy}(23.5276, 0.2046, 0.2185)$

Have a look what the booklet for
Yxy(23.5276, 0.2046, 0.2185)
contains.

Yxy(23.5815, 0.2044, 0.2182)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5815, 0.2044, 0.2182)

Conversions

Conversions Part 1

Format	Color
Hex	3A8ACF
RGB	58, 138, 207
RGB Percent	23%, 54%, 81%
CMY	0.7728, 0.4588, 0.1883
CMYK	0.72, 0.33, 0.00, 0.19
HSL	208°, 61%, 52%
HSV	208°, 72%, 81%
XYZ	22.0901, 23.5815, 62.4013
YIQ	121.9460, -69.8290, 4.4990

Conversions

Conversions Part 2

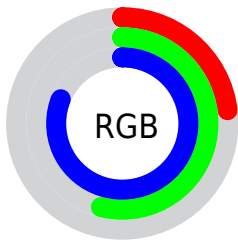
Format	Color
R _Y B	58, 110, 207
Decimal	3836623
CIE _{Lab}	55.67, -1.49, -42.56
CIE _{LCh}	56, 42.591, 267.991
Y _{xy}	23.5815, 0.2044, 0.2182
Android (android.graphics.Color)	4282026703 (0xFF3A8ACF)
YUV	121.9460, 41.9316, -56.0806
Hunter-Lab	48.5608, -3.7825, -42.1959

Details

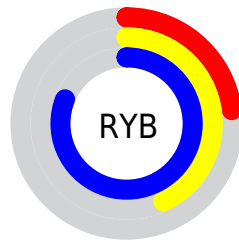
The Yxy color **23.5815, 0.2044, 0.2182** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **28.7187, 0.4830, 0.4072**, and the grayscale version is **19.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6926, 0.2298, 0.2495**, and **9.4118, 0.1860, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **20.4541, 0.1938, 0.2002**, and if you desaturate by 10%, it is **27.2019, 0.2170, 0.2363**.

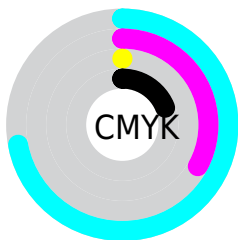
Distribution



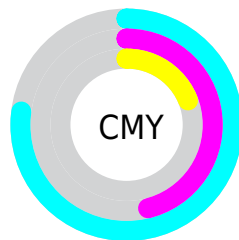
- Red (23%)
- Green (54%)
- Blue (81%)



- Red (23%)
- Yellow (43%)
- Blue (81%)



- Cyan (72%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (77%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5815, 0.2044, 0.2182 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 23.5815, 0.2044, 0.2182 by changing the saturation by 10% instead.

■ 23.5815, 0.2044,
0.2182

■ 23.5815, 0.2044,
0.2182

■ 270.6978, 0.2614,
0.2768

■ 15.0235, 0.1898,
0.2031

■ 49.3464, 0.2255,
0.2400

■ 8.8359, 0.1710,
0.1836

■ 67.3221, 0.2334,
0.2481

■ 4.6343, 0.1466,
0.1581

■ 89.2057, 0.2400,
0.2548

■ 2.0343, 0.1141,
0.1241

■ 115.3818, 0.2456,
0.2606

■ 0.6273, 0.0688,
0.0771

■ 146.2346, 0.2504,
0.2655

■ 0.0000, 0.0000,
0.0000

182.1486, 0.2546,

0.2698

223.5082, 0.2582,
0.2735

■ 23.5815, 0.2044,
0.2182

■ 23.5815, 0.2044,
0.2182

■ 20.4541, 0.1938,
0.2002

■ 27.2019, 0.2170,
0.2363

■ 17.7791, 0.1856,
0.1827

■ 31.3457, 0.2311,
0.2539

■ 15.9175, 0.1803,
0.1692

■ 36.0427, 0.2463,
0.2709

■ 41.3192, 0.2622,
0.2867

■ 47.1996, 0.2783,
0.3014

■ 53.7068, 0.2942,
0.3147

■ 60.8620, 0.3097,
0.3267

■ 68.6855, 0.3245,
0.3375

■ 77.1965, 0.3387,
0.3470

Harmonies

Analogous

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



23.5815, 0.1843, 0.2435



23.5815, 0.2044, 0.2182



23.5815, 0.2514, 0.2191

Triad

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



23.5815, 0.2044, 0.2182



23.5815, 0.4498, 0.3352



23.5815, 0.2910, 0.4446

Complementary

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



23.5815, 0.2044, 0.2182



28.7187, 0.4830, 0.4072

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.



23.5815, 0.3627, 0.4664



23.5815, 0.2044, 0.2182



23.5815, 0.4587, 0.3906

Square

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



23.5815, 0.2044, 0.2182



23.5815, 0.3967, 0.2834



23.5815, 0.4246, 0.4403



23.5815, 0.2291, 0.3761

Rectangle

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



23.5815, 0.2044, 0.2182



23.5815, 0.2960, 0.2324



23.5815, 0.4246, 0.4403



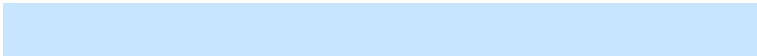
23.5815, 0.3148, 0.4581

Sweetspot

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



23.5823, 0.2044, 0.2182



75.4104, 0.2779, 0.3010



46.9912, 0.2727, 0.4618



15.5676, 0.2735, 0.2971



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.



23.5823, 0.2044, 0.2182



30.5456, 0.1894, 0.1913



9.2269, 0.1772, 0.1096



12.4547, 0.2983, 0.3180



10.2229, 0.1810, 0.1715



0.7295, 0.1897, 0.2029

Inverse Universe

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



18.1168, 0.4198, 0.2390



24.8211, 0.4533, 0.2361



54.6537, 0.4135, 0.4805



11.9129, 0.3208, 0.3166



9.1033, 0.4788, 0.2411



0.5249, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 23.5815, 0.2044, 0.2182 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 23.5815, 0.2044, 0.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

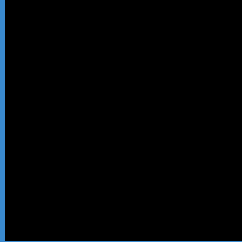
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5815, 0.2044, 0.2182

Background



This preview shows how black text looks on a background with the Yxy color 23.5815, 0.2044, 0.2182.

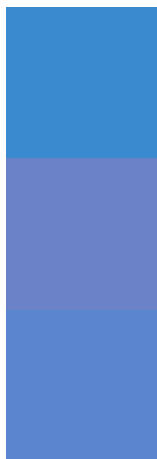


This preview shows how white text looks on a background with the Yxy color 23.5815, 0.2044, 0.2182.

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

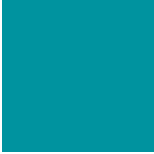
23.5815, 0.2044, 0.2182

Protanopia

23.3235, 0.2325, 0.2205

Deuteranopia

23.6044, 0.2184, 0.2131



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



Original Color

23.5815, 0.2044, 0.2182

Protanomaly

23.2605, 0.2198, 0.2186

Deuteranomaly

23.5875, 0.2125, 0.2145

Tritanomaly

23.2405, 0.2108, 0.2703

Monochromacy



Original Color

23.5815, 0.2044, 0.2182

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.3909, 0.2582, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5815, 0.2044, 0.2182 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(58, 138, 207)` looks like.

```
.text, #text, p{  
    color:rgb(58, 138, 207)  
}
```

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(58, 138, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 138, 207) }
```

Border

The CSS property to change the border of an element to Yxy 23.5815, 0.2044, 0.2182 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(58, 138, 207) }
```

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

```
.border{ border-color:rgb(58, 138, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 138, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 138, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 138, 207);  
box-shadow:4px 4px 4px 4px rgb(58, 138,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5815, 0.2044, 0.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 138, 207) }
```

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

```
.background{ background-color: rgb(58, 138,  
207) }
```

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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