

Converting Colors

$Y_{xy}(23.5178, 0.2197, 0.2376)$

Have a look what the booklet for
Yxy(23.5178, 0.2197, 0.2376)
contains.

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Color

Yxy(23.6469, 0.2200, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	4E8AC1
RGB	78, 138, 193
RGB Percent	31%, 54%, 76%
CMY	0.6938, 0.4588, 0.2432
CMYK	0.60, 0.28, 0.00, 0.24
HSL	209°, 48%, 53%
HSV	209°, 60%, 76%
XYZ	21.8585, 23.6469, 53.8513
YIQ	126.3300, -53.4150, 4.3850

Conversions

Conversions Part 2

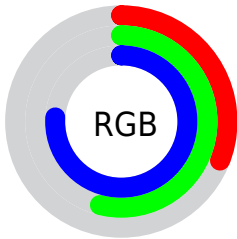
Format	Color
R _Y B	78, 117, 193
Decimal	5147329
CIE Lab	55.73, -2.86, -34.49
CIE LCh	56, 34.606, 265.265
Yxy	23.6469, 0.2200, 0.2380
Android (android.graphics.Color)	4283337409 (0xFF4E8AC1)
YUV	126.3300, 32.8683, -42.3854
Hunter-Lab	48.6281, -4.8628, -31.6188

Details

The Yxy color **23.6469, 0.2200, 0.2380** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **28.6783, 0.4441, 0.4010**, and the grayscale version is **20.8881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3980, 0.2386, 0.2560**, and **8.8435, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **20.4097, 0.2068, 0.2194**, and if you desaturate by 10%, it is **27.3503, 0.2346, 0.2561**.

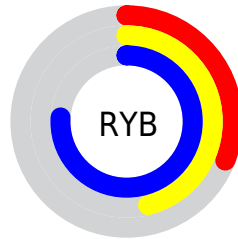
Distribution



Red (31%)

Green (54%)

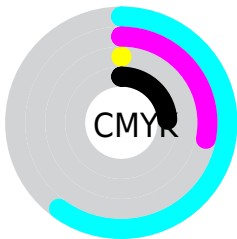
Blue (76%)



Red (31%)

Yellow (46%)

Blue (76%)

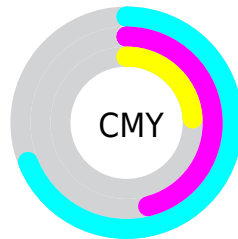


Cyan (60%)

Magenta (28%)

Yellow (0%)

Black (24%)



Cyan (69%)

Magenta (46%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6469, 0.2200, 0.2380 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 23.6469, 0.2200, 0.2380 by changing the saturation by 10% instead.

■ 23.6469, 0.2200,
0.2380

■ 23.6469, 0.2200,
0.2380

271.0304, 0.2695,
0.2871

■ 15.0719, 0.2069,
0.2248

■ 49.4534, 0.2386,
0.2566

■ 8.8699, 0.1898,
0.2076

■ 67.4536, 0.2454,
0.2633

■ 4.6564, 0.1668,
0.1841

■ 89.3644, 0.2511,
0.2689

■ 2.0471, 0.1350,
0.1513

■ 115.5702, 0.2559,
0.2737

■ 0.6346, 0.0855,
0.1017

■ 146.4553, 0.2600,
0.2778

■ 0.0000, 0.0000,
0.0000

182.4041, 0.2636,

0.2813

223.8010, 0.2667,
0.2844

■ 23.6469, 0.2200,
0.2380

■ 23.6469, 0.2200,
0.2380

■ 20.4097, 0.2068,
0.2194

■ 27.3503, 0.2346,
0.2561

■ 17.6091, 0.1955,
0.2008

■ 31.5417, 0.2502,
0.2733

■ 15.2145, 0.1864,
0.1827

■ 36.2444, 0.2662,
0.2893

■ 13.1731, 0.1794,
0.1653

■ 41.4789, 0.2823,
0.3041

■ 13.0850, 0.1790,
0.1645

■ 47.2645, 0.2981,
0.3175

■ 53.6195, 0.3134,
0.3295

■ 60.5612, 0.3280,
0.3402

■ 68.1061, 0.3418,
0.3497

■ 76.2699, 0.3547,
0.3581

Harmonies

Analogous

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



23.6469, 0.2049, 0.2628



23.6469, 0.2200, 0.2380



23.6469, 0.2581, 0.2361

Triad

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



23.6469, 0.2200, 0.2380



23.6469, 0.4213, 0.3319



23.6469, 0.3017, 0.4240

Complementary

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



23.6469, 0.2200, 0.2380



28.6783, 0.4441, 0.4010

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.



23.6469, 0.3608, 0.4397



23.6469, 0.2200, 0.2380



23.6469, 0.4332, 0.3786

Square

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



23.6469, 0.2200, 0.2380



23.6469, 0.3760, 0.2881



23.6469, 0.4096, 0.4192



23.6469, 0.2486, 0.3729

Rectangle

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



23.6469, 0.2200, 0.2380



23.6469, 0.2943, 0.2461



23.6469, 0.4096, 0.4192



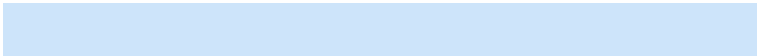
23.6469, 0.3216, 0.4338

Sweetspot

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



23.6477, 0.2200, 0.2380



75.5563, 0.2843, 0.3058



41.4112, 0.2743, 0.4309



15.5894, 0.2796, 0.3017



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.6477, 0.2200, 0.2380



35.1994, 0.2037, 0.2146



11.4933, 0.1995, 0.1453



10.5975, 0.2984, 0.3177



8.8662, 0.1797, 0.1667



0.5205, 0.1906, 0.2060

Inverse Universe

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



18.6295, 0.3959, 0.2517



27.7177, 0.4233, 0.2418



48.3450, 0.3988, 0.4635



10.1637, 0.3209, 0.3171



8.1773, 0.4847, 0.2444



0.3672, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 23.6469, 0.2200, 0.2380 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 23.6469, 0.2200, 0.2380 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 23.6469, 0.2200, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 23.6469, 0.2200, 0.2380.



This preview shows how white text looks on a background with the Yxy color 23.6469, 0.2200, 0.2380.

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

23.6469, 0.2200, 0.2380

Protanopia

23.4653, 0.2468, 0.2397

Deuteranopia

23.5234, 0.2361, 0.2309



Tritanopia

23.7093, 0.2350, 0.3062

Trichromacy



Original Color

23.6469, 0.2200, 0.2380

Protanomaly

23.5491, 0.2361, 0.2398

Deuteranomaly

23.4320, 0.2289, 0.2323

Tritanomaly

23.4772, 0.2290, 0.2784

Monochromacy



Original Color

23.6469, 0.2200, 0.2380

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4185, 0.2706, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6469, 0.2200, 0.2380 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(78, 138, 193)` looks like.

```
.text, #text, p{  
    color:rgb(78, 138, 193)  
}
```

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(78, 138, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 138, 193) }
```

Border

The CSS property to change the border of an element to Yxy 23.6469, 0.2200, 0.2380 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(78, 138, 193) }
```

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

```
.border{ border-color:rgb(78, 138, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 138, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 138, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 138, 193);  
box-shadow:4px 4px 4px 4px rgb(78, 138,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6469, 0.2200, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 138, 193) }
```

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

```
.background{ background-color: rgb(78, 138,  
193) }
```

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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