

Converting Colors

$Y_{xy}(23.5316, 0.2267, 0.2292)$

Have a look what the booklet for
Yxy(23.5316, 0.2267, 0.2292)
contains.

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Color

Yxy(23.5143, 0.2265, 0.2284)

Conversions

Conversions Part 1

Format	Color
Hex	5F86C5
RGB	95, 134, 197
RGB Percent	37%, 53%, 77%
CMY	0.6275, 0.4745, 0.2275
CMYK	0.52, 0.32, 0.00, 0.23
HSL	217°, 47%, 57%
HSV	217°, 52%, 77%
XYZ	23.3187, 23.5143, 56.1193
YIQ	129.5210, -43.4670, 11.3250

Conversions

Conversions Part 2

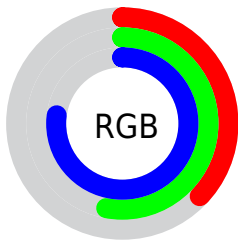
Format	Color
R _Y B	95, 123, 197
Decimal	6260421
CIE Lab	55.60, 4.40, -36.91
CIE LCh	56, 37.170, 276.794
Yxy	23.5143, 0.2265, 0.2284
Android (android.graphics.Color)	4284450501 (0xFF5F86C5)
YUV	129.5210, 33.2671, -30.2749
Hunter-Lab	48.4915, 0.9772, -34.6723

Details

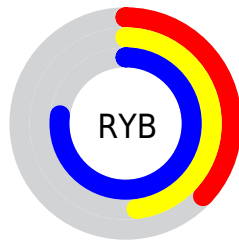
The Yxy color **23.5143, 0.2265, 0.2284** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **37.1303, 0.4124, 0.4105**, and the grayscale version is **22.0368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2757, 0.2440, 0.2483**, and **8.8375, 0.1979, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **19.4197, 0.2102, 0.2047**, and if you desaturate by 10%, it is **28.2639, 0.2436, 0.2512**.

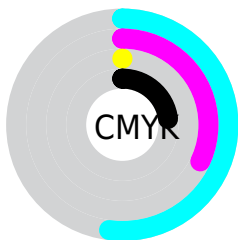
Distribution



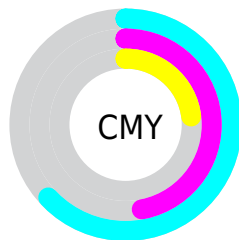
- Red (37%)
- Green (53%)
- Blue (77%)



- Red (37%)
- Yellow (48%)
- Blue (77%)



- Cyan (52%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)



- Cyan (63%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5143, 0.2265, 0.2284 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 23.5143, 0.2265, 0.2284 by changing the saturation by 10% instead.

■ 23.5143, 0.2265,
0.2284

■ 23.5143, 0.2265,
0.2284

270.3557, 0.2728,
0.2817

■ 14.9737, 0.2141,
0.2145

■ 49.2364, 0.2440,
0.2483

■ 8.8009, 0.1980,
0.1964

■ 67.1868, 0.2504,
0.2556

■ 4.6116, 0.1761,
0.1723

■ 89.0425, 0.2557,
0.2618

■ 2.0212, 0.1455,
0.1392

■ 115.1880, 0.2602,
0.2670

■ 0.6198, 0.1015,
0.0903

146.0077, 0.2640,
0.2714

■ 0.0000, 0.0000,
0.0000

181.8859, 0.2674,

0.2753

223.2071, 0.2703,
0.2787

■ 23.5143, 0.2265,
0.2284

■ 23.5143, 0.2265,
0.2284

■ 19.4197, 0.2102,
0.2047

■ 28.2639, 0.2436,
0.2512

■ 15.9439, 0.1954,
0.1809

■ 33.6966, 0.2610,
0.2727

■ 13.0505, 0.1829,
0.1578

■ 39.8420, 0.2781,
0.2925

■ 10.6970, 0.1730,
0.1364

■ 46.7269, 0.2945,
0.3104

■ 9.1128, 0.1668,
0.1205

■ 54.3765, 0.3101,
0.3263

■ 62.8149, 0.3246,
0.3405

■ 72.0651, 0.3380,
0.3530

■ 82.1489, 0.3503,
0.3639

■ 89.6649, 0.3496,
0.3753

Harmonies

Analogous

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



23.5143, 0.2010, 0.2446



23.5143, 0.2265, 0.2284



23.5143, 0.2754, 0.2351

Triad

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



23.5143, 0.2265, 0.2284



23.5143, 0.4392, 0.3506



23.5143, 0.2769, 0.4143

Complementary

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



23.5143, 0.2265, 0.2284



37.1303, 0.4124, 0.4105

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.



23.5143, 0.3397, 0.4474



23.5143, 0.2265, 0.2284



23.5143, 0.4362, 0.3993

Square

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



23.5143, 0.2265, 0.2284



23.5143, 0.4029, 0.3021



23.5143, 0.3983, 0.4375



23.5143, 0.2269, 0.3499

Rectangle

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



23.5143, 0.2265, 0.2284



23.5143, 0.3178, 0.2507



23.5143, 0.3983, 0.4375



23.5143, 0.2972, 0.4301

Sweetspot

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



23.5151, 0.2265, 0.2284



78.0350, 0.2873, 0.3026



44.8190, 0.2682, 0.3898



16.1541, 0.2838, 0.2988



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.



23.5151, 0.2265, 0.2284



34.0036, 0.2084, 0.2019



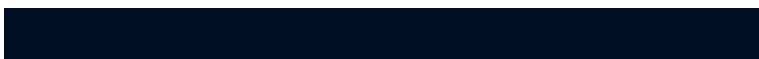
15.3301, 0.2240, 0.1699



10.9417, 0.2983, 0.3143



6.1455, 0.1675, 0.1229



0.4306, 0.1793, 0.1656

Inverse Universe

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



21.7702, 0.4013, 0.2781



32.2387, 0.4322, 0.2699



51.0725, 0.3769, 0.4577



10.7030, 0.3231, 0.3202



8.1604, 0.5426, 0.2763



0.4005, 0.4861, 0.2452

Previews

White Background



This preview shows how the Yxy color 23.5143, 0.2265, 0.2284 looks on a white background.

Color Contrast Check

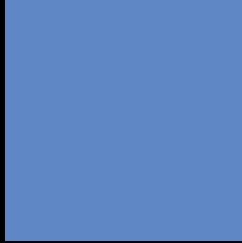
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5143, 0.2265, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

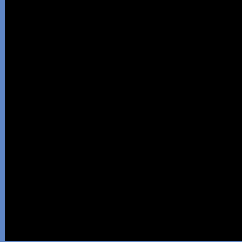
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5143, 0.2265, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 23.5143, 0.2265, 0.2284.

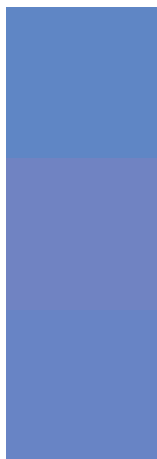


This preview shows how white text looks on a background with the Yxy color 23.5143, 0.2265, 0.2284.

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

23.5143, 0.2265, 0.2284

Protanopia

23.5724, 0.2396, 0.2302

Deuteranopia

23.4768, 0.2320, 0.2266



Tritanopia

23.3846, 0.2466, 0.3065

Trichromacy



Original Color

23.5143, 0.2265, 0.2284

Protanomaly

23.5068, 0.2347, 0.2294

Deuteranomaly

23.5730, 0.2302, 0.2277

Tritanomaly

23.2988, 0.2381, 0.2741

Monochromacy



Original Color

23.5143, 0.2265, 0.2284

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3476, 0.2750, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5143, 0.2265, 0.2284 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(95, 134, 197)` looks like.

```
.text, #text, p{  
    color:rgb(95, 134, 197)  
}
```

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(95, 134, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 134, 197) }
```

Border

The CSS property to change the border of an element to Yxy 23.5143, 0.2265, 0.2284 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(95, 134, 197) }
```

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

```
.border{ border-color:rgb(95, 134, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 134, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 134, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 134, 197);  
box-shadow:4px 4px 4px 4px rgb(95, 134,  
197) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.5143, 0.2265, 0.2284$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 134, 197) }
```

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

```
.background{ background-color: rgb(95, 134,  
197) }
```

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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