

Converting Colors

$Y_{xy}(23.0311, 0.2766, 0.2894)$

Have a look what the booklet for
Yxy(23.0311, 0.2766, 0.2894)
contains.

Yxy(23.1684, 0.2765, 0.2894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1684, 0.2765, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	78859C
RGB	120, 133, 156
RGB Percent	47%, 52%, 61%
CMY	0.5293, 0.4784, 0.3883
CMYK	0.23, 0.15, 0.00, 0.39
HSL	218°, 15%, 54%
HSV	218°, 23%, 61%
XYZ	22.1357, 23.1684, 34.7526
YIQ	131.7350, -15.1310, 4.3970

Conversions

Conversions Part 2

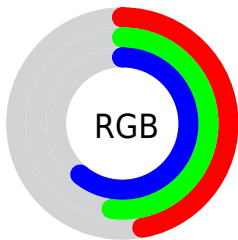
Format	Color
R_{YB}	120, 130, 156
Decimal	7898524
CIE _{Lab}	55.25, 0.53, -13.84
CIE _{LCh}	55, 13.854, 272.204
Yxy	23.1684, 0.2765, 0.2894
Android (android.graphics.Color)	4286088604 (0xFF78859C)
YUV	131.7350, 11.9626, -10.2916
Hunter-Lab	48.1336, -2.1451, -9.1141

Details

The Yxy color $23.1684, 0.2765, 0.2894$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.0736, 0.3507, 0.3657$, and the grayscale version is $22.9359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7052, 0.2841, 0.2973$, and $8.7002, 0.2630, 0.2751$ is the 20% darker color. If you saturate the color by 10%, you get $19.5409, 0.2595, 0.2691$, and if you desaturate by 10%, it is $27.2388, 0.2928, 0.3078$.

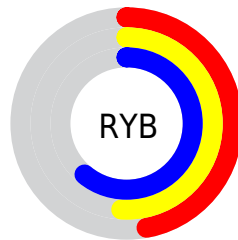
Distribution



Red (47%)

Green (52%)

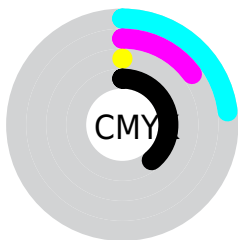
Blue (61%)



Red (47%)

Yellow (51%)

Blue (61%)

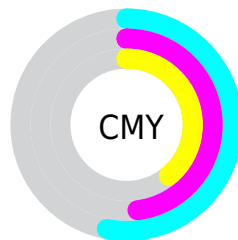


Cyan (23%)

Magenta (15%)

Yellow (0%)

Black (39%)



Cyan (53%)

Magenta (48%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1684, 0.2765, 0.2894 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 23.1684, 0.2765, 0.2894 by changing the saturation by 10% instead.

■ 23.1684, 0.2765,
0.2894

■ 23.1684, 0.2765,
0.2894

268.5888, 0.2966,
0.3113

■ 14.7179, 0.2707,
0.2831

■ 48.6697, 0.2843,
0.2979

■ 8.6216, 0.2628,
0.2745

■ 66.4893, 0.2871,
0.3009

■ 4.4952, 0.2513,
0.2621

■ 88.2007, 0.2894,
0.3034

■ 1.9543, 0.2332,
0.2425

114.1883, 0.2913,
0.3055

■ 0.5807, 0.1951,
0.2005

144.8365, 0.2929,
0.3073

■ 0.0000, 0.0000,
0.0000

180.5297, 0.2943,

0.3088

221.6523, 0.2955,
0.3101

■ 23.1684, 0.2765,
0.2894

■ 23.1684, 0.2765,
0.2894

■ 19.5409, 0.2595,
0.2691

■ 27.2388, 0.2928,
0.3078

■ 16.3374, 0.2422,
0.2471

■ 31.7643, 0.3082,
0.3243

■ 13.5420, 0.2251,
0.2238

■ 36.7603, 0.3226,
0.3390

■ 11.1362, 0.2089,
0.1997

■ 42.2403, 0.3359,
0.3519

■ 9.1002, 0.1941,
0.1756

■ 48.2175, 0.3480,
0.3633

■ 7.4119, 0.1815,
0.1523

■ 54.7045, 0.3592,
0.3732

■ 6.0462, 0.1716,
0.1310

■ 61.7133, 0.3693,
0.3818

■ 5.2541, 0.1660,
0.1174

■ 69.2557, 0.3786,
0.3894

■ 76.3012, 0.3828,
0.3971

Harmonies

Analogous

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



23.1684, 0.2670, 0.2994



23.1684, 0.2765, 0.2894



23.1684, 0.2957, 0.2897

Triad

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



23.1684, 0.2765, 0.2894



23.1684, 0.3584, 0.3370



23.1684, 0.3040, 0.3614

Complementary

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



23.1684, 0.2765, 0.2894



28.0736, 0.3507, 0.3657

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.



23.1684, 0.3285, 0.3718



23.1684, 0.2765, 0.2894



23.1684, 0.3605, 0.3564

Square

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



23.1684, 0.2765, 0.2894



23.1684, 0.3434, 0.3165



23.1684, 0.3494, 0.3695



23.1684, 0.2824, 0.3412

Rectangle

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



23.1684, 0.2765, 0.2894



23.1684, 0.3118, 0.2953



23.1684, 0.3494, 0.3695



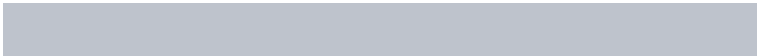
23.1684, 0.3122, 0.3662

Sweetspot

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



23.1693, 0.2765, 0.2894



54.2431, 0.3020, 0.3178



29.7454, 0.2903, 0.3513



11.8399, 0.3012, 0.3170



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.1693, 0.2765, 0.2894



38.3665, 0.2672, 0.2785



20.1856, 0.2799, 0.2671



6.8074, 0.2988, 0.3143



4.3895, 0.1663, 0.1187



0.1552, 0.1880, 0.1967

Inverse Universe

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



22.1994, 0.3423, 0.3082



36.4754, 0.3516, 0.3029



31.7279, 0.3415, 0.3859



6.6837, 0.3230, 0.3210



6.0653, 0.5484, 0.2795



0.1162, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 23.1684, 0.2765, 0.2894 looks on a white background.

Color Contrast Check

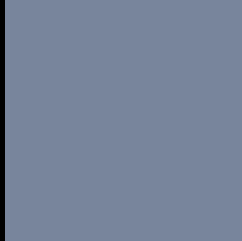
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1684, 0.2765, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

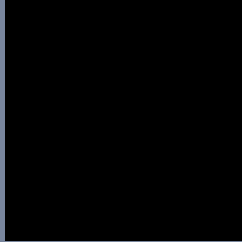
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

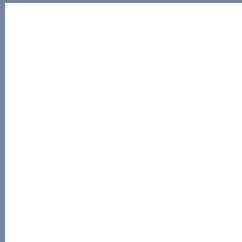
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1684, 0.2765, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 23.1684, 0.2765, 0.2894.



This preview shows how white text looks on a background with the Yxy color 23.1684, 0.2765, 0.2894.

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

23.1684, 0.2765, 0.2894

Protanopia

23.1884, 0.2853, 0.2884

Deuteranopia

23.1214, 0.2885, 0.2825



Tritanopia

23.2548, 0.2838, 0.3095

Trichromacy



Original Color

23.1684, 0.2765, 0.2894

Protanomaly

23.2291, 0.2823, 0.2898

Deuteranomaly

22.9888, 0.2833, 0.2835

Tritanomaly

23.1741, 0.2810, 0.3010

Monochromacy



Original Color

23.1684, 0.2765, 0.2894

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.0148, 0.2990, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1684, 0.2765, 0.2894 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(120, 133, 156)` looks like.

```
.text, #text, p{  
    color:rgb(120, 133, 156)  
}
```

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(120, 133, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 133, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.1684, 0.2765, 0.2894 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(120, 133, 156) }
```

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

```
.border{ border-color:rgb(120, 133, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 133, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 133, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 133, 156);  
box-shadow:4px 4px 4px 4px rgb(120, 133,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1684, 0.2765, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 133, 156) }
```

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

```
.background{ background-color: rgb(120,  
133, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor