

Converting Colors

$Y_{xy}(23.7041, 0.2599, 0.2812)$

Have a look what the booklet for
Yxy(23.7041, 0.2599, 0.2812)
contains.

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Color

Yxy(23.8229, 0.2603, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	6D89A4
RGB	109, 137, 164
RGB Percent	43%, 54%, 64%
CMY	0.5726, 0.4627, 0.3569
CMYK	0.34, 0.16, 0.00, 0.36
HSL	209°, 23%, 54%
HSV	209°, 34%, 64%
XYZ	21.9508, 23.8229, 38.5552
YIQ	131.7060, -25.3550, 2.4610

Conversions

Conversions Part 2

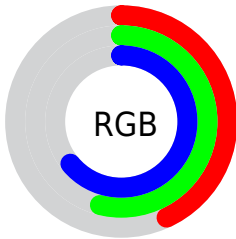
Format	Color
R _Y B	109, 128, 164
Decimal	7178660
CIE Lab	55.91, -3.19, -17.51
CIE LCh	56, 17.799, 259.672
Yxy	23.8229, 0.2603, 0.2825
Android (android.graphics.Color)	4285368740 (0xFF6D89A4)
YUV	131.7060, 15.9209, -19.9132
Hunter-Lab	48.8087, -5.1382, -12.6685

Details

The Yxy color **23.8229, 0.2603, 0.2825** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.5934, 0.3750, 0.3712**, and the grayscale version is **22.9112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6228, 0.2714, 0.2921**, and **8.9160, 0.2416, 0.2648** is the 20% darker color. If you saturate the color by 10%, you get **20.6766, 0.2445, 0.2658**, and if you desaturate by 10%, it is **27.3356, 0.2763, 0.2980**.

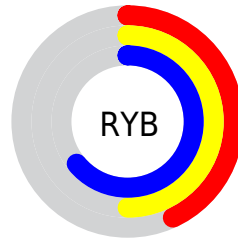
Distribution



Red (43%)

Green (54%)

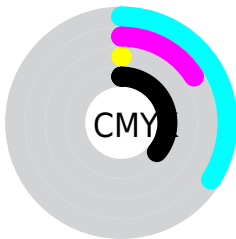
Blue (64%)



Red (43%)

Yellow (50%)

Blue (64%)

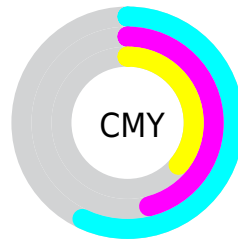


Cyan (34%)

Magenta (16%)

Yellow (0%)

Black (36%)



Cyan (57%)

Magenta (46%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8229, 0.2603, 0.2825 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 23.8229, 0.2603, 0.2825 by changing the saturation by 10% instead.

■ 23.8229, 0.2603,
0.2825

■ 23.8229, 0.2603,
0.2825

271.9239, 0.2890,
0.3082

■ 15.2023, 0.2523,
0.2752

■ 49.7410, 0.2713,
0.2925

■ 8.9615, 0.2414,
0.2651

■ 67.8074, 0.2753,
0.2961

■ 4.7161, 0.2259,
0.2507

■ 89.7911, 0.2786,
0.2990

■ 2.0817, 0.2022,
0.2283

■ 116.0765, 0.2813,
0.3014

■ 0.6543, 0.1555,
0.1870

147.0482, 0.2837,
0.3035

■ 0.0000, 0.0000,
0.0000

183.0903, 0.2857,

0.3053

224.5874, 0.2874,
0.3069

■ 23.8229, 0.2603,
0.2825

■ 23.8229, 0.2603,
0.2825

■ 20.6766, 0.2445,
0.2658

■ 27.3356, 0.2763,
0.2980

■ 17.8795, 0.2292,
0.2480

■ 31.2254, 0.2921,
0.3121

■ 15.4167, 0.2149,
0.2295

■ 35.5061, 0.3074,
0.3248

■ 13.2710, 0.2023,
0.2106

■ 40.1897, 0.3221,
0.3362

■ 11.4231, 0.1916,
0.1918

■ 45.2877, 0.3361,
0.3463

■ 9.8505, 0.1831,
0.1737

■ 50.8113, 0.3491,
0.3552

■ 8.9500, 0.1785,
0.1624

■ 56.7708, 0.3614,
0.3630

■ 63.1766, 0.3728,
0.3699

■ 69.7383, 0.3820,
0.3761

Harmonies

Analogous

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



23.8229, 0.2544, 0.2998



23.8229, 0.2603, 0.2825



23.8229, 0.2797, 0.2778

Triad

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



23.8229, 0.2603, 0.2825



23.8229, 0.3648, 0.3277



23.8229, 0.3143, 0.3783

Complementary

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



23.8229, 0.2603, 0.2825



26.5934, 0.3750, 0.3712

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.



23.8229, 0.3447, 0.3845



23.8229, 0.2603, 0.2825



23.8229, 0.3748, 0.3534

Square

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



23.8229, 0.2603, 0.2825



23.8229, 0.3401, 0.3034



23.8229, 0.3671, 0.3746



23.8229, 0.2846, 0.3565

Rectangle

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



23.8229, 0.2603, 0.2825



23.8229, 0.2983, 0.2817



23.8229, 0.3671, 0.3746



23.8229, 0.3248, 0.3823

Sweetspot

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



23.8238, 0.2603, 0.2825



59.2137, 0.2973, 0.3165



31.5610, 0.2873, 0.3779



12.7242, 0.2952, 0.3148



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.8238, 0.2603, 0.2825



39.0653, 0.2488, 0.2705



17.0620, 0.2542, 0.2335



7.4286, 0.2987, 0.3177



6.9596, 0.1789, 0.1641



0.2406, 0.1971, 0.2294

Inverse Universe

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



20.6323, 0.3501, 0.2856



32.8858, 0.3613, 0.2761



35.2129, 0.3625, 0.4094



7.1434, 0.3209, 0.3176



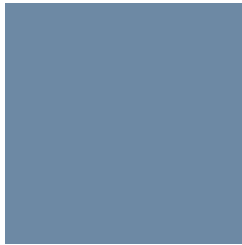
6.5467, 0.4880, 0.2462



0.1471, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 23.8229, 0.2603, 0.2825 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 23.8229, 0.2603, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

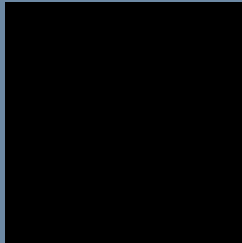
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

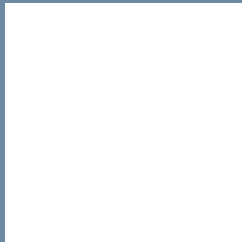
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8229, 0.2603, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 23.8229, 0.2603, 0.2825.



This preview shows how white text looks on a background with the Yxy color 23.8229, 0.2603, 0.2825.

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

23.8229, 0.2603, 0.2825

Protanopia

23.6649, 0.2798, 0.2807

Deuteranopia

23.7745, 0.2791, 0.2734



Tritanopia

23.7314, 0.2694, 0.3092

Trichromacy



Original Color

23.8229, 0.2603, 0.2825

Protanomaly

23.7238, 0.2723, 0.2817

Deuteranomaly

23.7026, 0.2715, 0.2756

Tritanomaly

23.6693, 0.2660, 0.2988

Monochromacy



Original Color

23.8229, 0.2603, 0.2825

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3489, 0.2918, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8229, 0.2603, 0.2825 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(109, 137, 164)` looks like.

```
.text, #text, p{  
    color:rgb(109, 137, 164)  
}
```

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(109, 137, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 137, 164) }
```

Border

The CSS property to change the border of an element to Yxy 23.8229, 0.2603, 0.2825 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(109, 137, 164) }
```

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

```
.border{ border-color:rgb(109, 137, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 137, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 137, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 137, 164);  
box-shadow:4px 4px 4px 4px rgb(109, 137,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8229, 0.2603, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 137, 164) }
```

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

```
.background{ background-color: rgb(109,  
137, 164) }
```

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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