

Converting Colors

$Y_{xy}(31.3247, 0.2310, 0.2625)$

Have a look what the booklet for
Yxy(31.3247, 0.2310, 0.2625)
contains.

Yxy(31.3877, 0.2308, 0.2628)	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(31.3877, 0.2308, 0.2628)

Conversions

Conversions Part 1

Format	Color
Hex	5D9FCA
RGB	93, 159, 202
RGB Percent	36%, 62%, 79%
CMY	0.6356, 0.3764, 0.2078
CMYK	0.54, 0.21, 0.00, 0.21
HSL	204°, 51%, 58%
HSV	204°, 54%, 79%
XYZ	27.5658, 31.3877, 60.4822
YIQ	144.1680, -53.1390, -0.6190

Conversions

Conversions Part 2

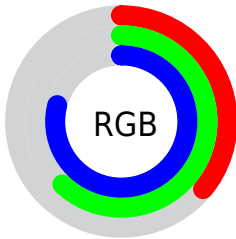
Format	Color
R _Y B	93, 134, 202
Decimal	6135754
CIE Lab	62.83, -8.84, -28.49
CIE LCh	63, 29.826, 252.767
Yxy	31.3877, 0.2308, 0.2628
Android (android.graphics.Color)	4284325834 (0xFF5D9FCA)
YUV	144.1680, 28.5112, -44.8743
Hunter-Lab	56.0247, -10.2162, -24.7900

Details

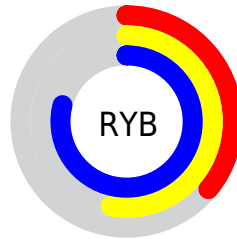
The Yxy color **31.3877, 0.2308, 0.2628** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **30.9234, 0.4363, 0.3842**, and the grayscale version is **27.8526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7972, 0.2484, 0.2807**, and **13.1245, 0.2065, 0.2417** is the 20% darker color. If you saturate the color by 10%, you get **27.8213, 0.2179, 0.2479**, and if you desaturate by 10%, it is **35.4109, 0.2450, 0.2771**.

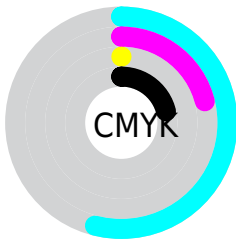
Distribution



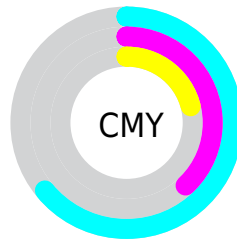
- Red (36%)
- Green (62%)
- Blue (79%)



- Red (36%)
- Yellow (53%)
- Blue (79%)



- Cyan (54%)
- Magenta (21%)
- Yellow (0%)
- Black (21%)



- Cyan (64%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3877, 0.2308, 0.2628 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 31.3877, 0.2308, 0.2628 by changing the saturation by 10% instead.

■ 31.3877, 0.2308,
0.2628

■ 31.3877, 0.2308,
0.2628

■ 308.3205, 0.2729,
0.2979

■ 20.8942, 0.2201,
0.2535

■ 61.8500, 0.2463,
0.2760

■ 13.0467, 0.2063,
0.2414

■ 82.5875, 0.2521,
0.2808

■ 7.4607, 0.1880,
0.2249

■ 107.5086, 0.2569,
0.2848

■ 3.7519, 0.1628,
0.2016

■ 136.9976, 0.2611,
0.2882

■ 1.5358, 0.1270,
0.1667

■ 171.4389, 0.2647,
0.2912

■ 0.3137, 0.0237,
0.0902

■ 211.2169, 0.2678,

■ 0.0000, 0.0000,

0.2937

0.0000

256.7160, 0.2705,
0.2959

■ 31.3877, 0.2308,
0.2628

■ 31.3877, 0.2308,
0.2628

■ 27.8213, 0.2179,
0.2479

■ 35.4109, 0.2450,
0.2771

■ 24.6826, 0.2068,
0.2326

■ 39.9108, 0.2600,
0.2907

■ 21.9433, 0.1976,
0.2174

■ 44.9097, 0.2755,
0.3032

■ 19.5687, 0.1906,
0.2024

■ 50.4273, 0.2911,
0.3147

■ 18.2841, 0.1871,
0.1936

■ 56.4823, 0.3066,
0.3251

■ 63.0919, 0.3217,
0.3345

■ 70.2730, 0.3362,
0.3428

■ 78.0411, 0.3501,
0.3501

■ 82.4797, 0.3488,
0.3580

Harmonies

Analogous

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



31.3877, 0.2269, 0.2915



31.3877, 0.2308, 0.2628



31.3877, 0.2546, 0.2528

Triad

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



31.3877, 0.2308, 0.2628



31.3877, 0.3856, 0.3171



31.3877, 0.3248, 0.4110

Complementary

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



31.3877, 0.2308, 0.2628



30.9234, 0.4363, 0.3842

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.



31.3877, 0.3696, 0.4124



31.3877, 0.2308, 0.2628



31.3877, 0.4069, 0.3549

Square

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



31.3877, 0.2308, 0.2628



31.3877, 0.3433, 0.2837



31.3877, 0.4003, 0.3900



31.3877, 0.2789, 0.3815

Rectangle

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



31.3877, 0.2308, 0.2628



31.3877, 0.2800, 0.2563



31.3877, 0.4003, 0.3900



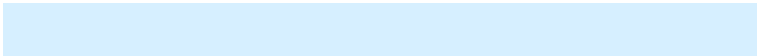
31.3877, 0.3405, 0.4146

Sweetspot

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



31.3889, 0.2308, 0.2628



83.2349, 0.2877, 0.3123



46.3052, 0.2816, 0.4349



17.3915, 0.2844, 0.3099



0.0000, 0.0000, 0.0000



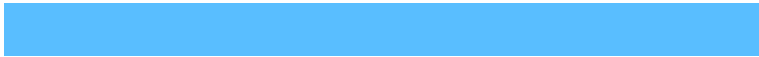
21.4041, 0.3127, 0.3290

Same Dimension

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



31.3889, 0.2308, 0.2628



46.0500, 0.2157, 0.2450



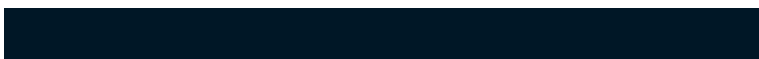
16.8201, 0.2131, 0.1768



11.9562, 0.2983, 0.3196



11.9434, 0.1877, 0.1956



0.7615, 0.1957, 0.2245

Inverse Universe

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



22.8732, 0.3720, 0.2465



32.1507, 0.3916, 0.2327



49.8581, 0.3979, 0.4450



11.3260, 0.3197, 0.3150



9.0087, 0.4503, 0.2254



0.4794, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 31.3877, 0.2308, 0.2628 looks on a white background.

Color Contrast Check

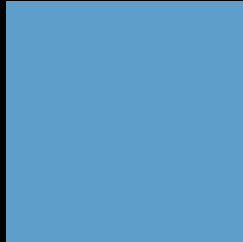
Large Text (above 18pt) WCAG AA × Fail

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 31.3877, 0.2308, 0.2628 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 ✓ Pass

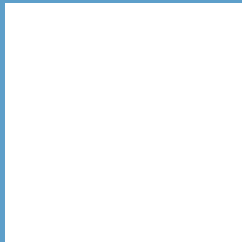
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3877, 0.2308, 0.2628

Background



This preview shows how black text looks on a background with the Yxy color 31.3877, 0.2308, 0.2628.

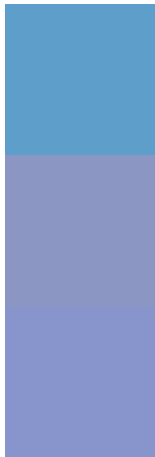


This preview shows how white text looks on a background with the Yxy color 31.3877, 0.2308, 0.2628.

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

31.3877, 0.2308, 0.2628

Protanopia

31.2418, 0.2647, 0.2633

Deuteranopia

31.0888, 0.2557, 0.2500



Tritanopia

31.6101, 0.2418, 0.3073

Trichromacy



Original Color

31.3877, 0.2308, 0.2628

Protanomaly

30.9973, 0.2500, 0.2617

Deuteranomaly

31.0873, 0.2454, 0.2550

Tritanomaly

31.4121, 0.2375, 0.2901

Monochromacy



Original Color

31.3877, 0.2308, 0.2628

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.5715, 0.2756, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3877, 0.2308, 0.2628 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(93, 159, 202)` looks like.

```
.text, #text, p{  
    color:rgb(93, 159, 202)  
}
```

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(93, 159, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 159, 202) }
```

Border

The CSS property to change the border of an element to Yxy 31.3877, 0.2308, 0.2628 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(93, 159, 202) }
```

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

```
.border{ border-color:rgb(93, 159, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 159, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 159, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 159, 202);  
box-shadow:4px 4px 4px 4px rgb(93, 159,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3877, 0.2308, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 159, 202) }
```

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

```
.background{ background-color: rgb(93, 159,  
202) }
```

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