

Converting Colors

$Y_{xy}(20.4939, 0.2921, 0.3803)$

Have a look what the booklet for
Yxy(20.4939, 0.2921, 0.3803)
contains.

| | |
|---|----|
| Yxy(20.4296, 0.2923, 0.3804) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(20.4296, 0.2923, 0.3804)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 5C866D |
| RGB | 92, 134, 109 |
| RGB Percent | 36%, 53%, 43% |
| CMY | 0.6392, 0.4745, 0.5726 |
| CMYK | 0.31, 0.00, 0.19, 0.47 |
| HSL | 144°, 19%, 44% |
| HSV | 144°, 31%, 53% |
| XYZ | 15.6981, 20.4296, 17.5778 |
| YIQ | 118.5920, -17.0070, -16.6790 |

Conversions

Conversions Part 2

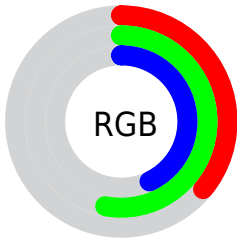
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 92, 122, 134 |
| Decimal | 6063725 |
| CIE _{Lab} | 52.32, -20.15, 8.89 |
| CIE _{LCh} | 52, 22.025, 156.191 |
| Yxy | 20.4296, 0.2923, 0.3804 |
| Android (android.graphics.Color) | 4284253805 (0xFF5C866D) |
| YUV | 118.5920, -4.7289, -23.3212 |
| Hunter-Lab | 45.1991, -17.1035, 8.5816 |

Details

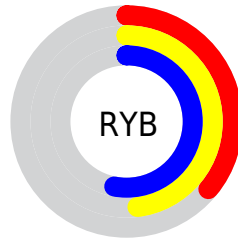
The Yxy color $20.4296, 0.2923, 0.3804$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0082, 0.3406, 0.2828$, and the grayscale version is $18.3315, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9535, 0.2966, 0.3668$, and $7.2130, 0.2837, 0.4051$ is the 20% darker color. If you saturate the color by 10%, you get $19.6361, 0.2867, 0.4002$, and if you desaturate by 10%, it is $21.3625, 0.2985, 0.3622$.

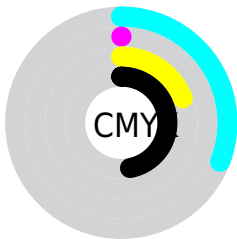
Distribution



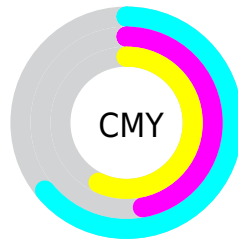
- Red (36%)
- Green (53%)
- Blue (43%)



- Red (36%)
- Yellow (48%)
- Blue (53%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (47%)




- Cyan (64%)
- Magenta (47%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4296, 0.2923, 0.3804 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 20.4296, 0.2923, 0.3804 by changing the saturation by 10% instead.


 20.4296, 0.2923,
0.3804


 20.4296, 0.2923,
0.3804


254.2314, 0.3043,
0.3503


 12.7077, 0.2884,
0.3899


 44.1363, 0.2972,
0.3681


 7.2276, 0.2828,
0.4038


 60.8898, 0.2989,
0.3640

 3.6048, 0.2739,
0.4257

 81.4228, 0.3002,
0.3606

 1.4551, 0.2576,
0.4659

 106.1194, 0.3013,
0.3578

 0.2568, 0.0000,
1.0000

135.3642, 0.3023,
0.3555

 0.0000, 0.0000,
0.0000

169.5416, 0.3031,

0.3535

209.0358, 0.3037,
0.3518

■ 20.4296, 0.2923,
0.3804

■ 20.4296, 0.2923,
0.3804

■ 19.6361, 0.2867,
0.4002

■ 21.3625, 0.2985,
0.3622

■ 18.9726, 0.2820,
0.4214

■ 22.4387, 0.3051,
0.3457

■ 18.4325, 0.2785,
0.4436

■ 23.6648, 0.3118,
0.3309

■ 18.0075, 0.2765,
0.4661


■ 25.0466, 0.3185,
0.3177


■ 17.6885, 0.2762,
0.4884

■ 26.5894, 0.3251,
0.3061


 17.4644, 0.2776,
0.5095

 28.2981, 0.3315,
0.2959

 17.3193, 0.2796,
0.5267

 30.1778, 0.3376,
0.2869

 32.2329, 0.3434,
0.2791

 34.4679, 0.3490,
0.2723

Harmonies

Analogous

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



20.4296, 0.3325, 0.4005



20.4296, 0.2923, 0.3804



20.4296, 0.2591, 0.3437

Triad

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



20.4296, 0.2923, 0.3804



20.4296, 0.2569, 0.2639



20.4296, 0.3908, 0.3449

Complementary

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



20.4296, 0.2923, 0.3804



14.0082, 0.3406, 0.2828

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.



20.4296, 0.3680, 0.3122



20.4296, 0.2923, 0.3804



20.4296, 0.2892, 0.2672

Square

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



20.4296, 0.2923, 0.3804



20.4296, 0.2398, 0.2766



20.4296, 0.3299, 0.2846



20.4296, 0.3908, 0.3760

Rectangle

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



20.4296, 0.2923, 0.3804



20.4296, 0.2447, 0.3172



20.4296, 0.3299, 0.2846



20.4296, 0.3855, 0.3338

Sweetspot

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



20.4304, 0.2923, 0.3804



39.9730, 0.3065, 0.3423



21.6201, 0.3375, 0.4095



8.9468, 0.3057, 0.3443



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.4304, 0.2923, 0.3804



34.9234, 0.2880, 0.3951



20.9332, 0.2731, 0.3372



5.2336, 0.3066, 0.3422



16.2316, 0.2795, 0.5262



0.0576, 0.2565, 0.4435

Inverse Universe

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



14.0082, 0.3406, 0.2828



21.6508, 0.3496, 0.2715



13.5715, 0.3735, 0.3212



4.7318, 0.3194, 0.3161



5.2924, 0.4510, 0.2258



0.0198, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 20.4296, 0.2923, 0.3804 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 20.4296, 0.2923, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

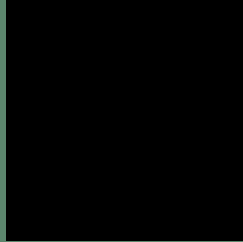
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4296, 0.2923, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 20.4296, 0.2923, 0.3804.



This preview shows how white text looks on a background with the Yxy color 20.4296, 0.2923, 0.3804.

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

20.4296, 0.2923, 0.3804

Protanopia

20.2401, 0.3448, 0.3660

Deuteranopia

20.2655, 0.3493, 0.3432



Tritanopia

20.4554, 0.2689, 0.3098

Trichromacy



Original Color

20.4296, 0.2923, 0.3804

Protanomaly

20.2609, 0.3238, 0.3715

Deuteranomaly

20.0259, 0.3261, 0.3555

Tritanomaly

20.3044, 0.2771, 0.3328

Monochromacy



Original Color

20.4296, 0.2923, 0.3804

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9043, 0.3047, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4296, 0.2923, 0.3804 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(92, 134, 109)` looks like.

```
.text, #text, p{  
    color:rgb(92, 134, 109)  
}
```

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(92, 134, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 134, 109) }
```

Border

The CSS property to change the border of an element to Yxy 20.4296, 0.2923, 0.3804 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(92, 134, 109) }
```

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

```
.border{ border-color:rgb(92, 134, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 134, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 134, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 134, 109);  
box-shadow:4px 4px 4px 4px rgb(92, 134,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4296, 0.2923, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 134, 109) }
```

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

```
.background{ background-color: rgb(92, 134,  
109) }
```

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