

Converting Colors

$Y_{xy}(20.5093, 0.3069, 0.3848)$

Have a look what the booklet for
Yxy(20.5093, 0.3069, 0.3848)
contains.

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Color

$\text{Yxy}(20.6198, 0.3068, 0.3853)$

Conversions

Conversions Part 1

Format	Color
Hex	668569
RGB	102, 133, 105
RGB Percent	40%, 52%, 41%
CMY	0.5999, 0.4784, 0.5883
CMYK	0.23, 0.00, 0.21, 0.48
HSL	126°, 13%, 46%
HSV	126°, 23%, 52%
XYZ	16.4188, 20.6198, 16.4776
YIQ	120.5390, -9.4880, -15.2800

Conversions

Conversions Part 2

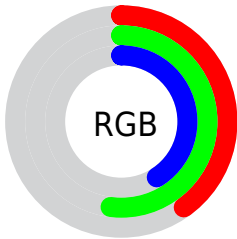
Format	Color
RYB	102, 130, 133
Decimal	6718825
CIELab	52.53, -16.93, 11.58
CIELCh	53, 20.507, 145.630
Yxy	20.6198, 0.3068, 0.3853
Android (android.graphics.Color)	4284908905 (0xFF668569)
YUV	120.5390, -7.6607, -16.2587
Hunter-Lab	45.4090, -14.9246, 10.2717

Details

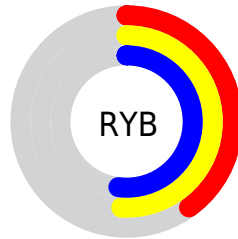
The Yxy color $20.6198, 0.3068, 0.3853$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.1069, 0.3192, 0.2785$, and the grayscale version is $18.9934, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3881, 0.3091, 0.3719$, and $7.2763, 0.3025, 0.4093$ is the 20% darker color. If you saturate the color by 10%, you get $19.6747, 0.3042, 0.4141$, and if you desaturate by 10%, it is $21.7264, 0.3094, 0.3592$.

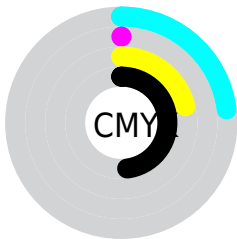
Distribution



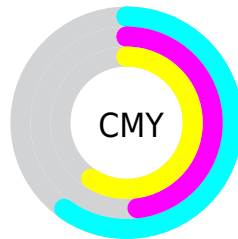
- Red (40%)
- Green (52%)
- Blue (41%)



- Red (40%)
- Yellow (51%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (48%)





- Cyan (60%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6198, 0.3068, 0.3853 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 20.6198, 0.3068, 0.3853 by changing the saturation by 10% instead.


 20.6198, 0.3068,
0.3853


 20.6198, 0.3068,
0.3853


255.2510, 0.3107,
0.3524


 12.8464, 0.3054,
0.3957


 44.4539, 0.3085,
0.3719


 7.3228, 0.3031,
0.4108


 61.2834, 0.3090,
0.3673

 3.6648, 0.2991,
0.4345

 81.9003, 0.3095,
0.3636

 1.4879, 0.2929,
0.4806

 106.6892, 0.3098,
0.3606

 0.2802, 0.0000,
1.0000

136.0342, 0.3101,
0.3580

 0.0000, 0.0000,
0.0000

170.3200, 0.3103,

0.3559

209.9308, 0.3105,
0.3540

■ 20.6198, 0.3068,
0.3853

■ 20.6198, 0.3068,
0.3853

■ 19.6747, 0.3042,
0.4141

■ 21.7264, 0.3094,
0.3592

■ 18.8809, 0.3018,
0.4450

■ 22.9986, 0.3119,
0.3360

■ 18.2314, 0.2997,
0.4770

■ 24.4439, 0.3143,
0.3156

■ 17.7176, 0.2981,
0.5087

■ 26.0685, 0.3166,
0.2978

■ 17.3296, 0.2971,
0.5380

■ 27.8782, 0.3186,
0.2824

■ 17.0566, 0.2969,
0.5630

■ 29.8785, 0.3205,
0.2691

■ 16.8856, 0.2974,
0.5818

■ 32.0749, 0.3223,
0.2576

■ 16.8029, 0.2975,
0.5910

■ 34.4724, 0.3239,
0.2476

■ 37.0760, 0.3253,
0.2390

Harmonies

Analogous

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



20.6198, 0.3441, 0.3967



20.6198, 0.3068, 0.3853



20.6198, 0.2725, 0.3555

Triad

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



20.6198, 0.3068, 0.3853



20.6198, 0.2533, 0.2708



20.6198, 0.3799, 0.3331

Complementary

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



20.6198, 0.3068, 0.3853



16.1069, 0.3192, 0.2785

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.



20.6198, 0.3527, 0.3035



20.6198, 0.3068, 0.3853



20.6198, 0.2790, 0.2686

Square

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



20.6198, 0.3068, 0.3853



20.6198, 0.2429, 0.2882



20.6198, 0.3151, 0.2805



20.6198, 0.3877, 0.3635

Rectangle

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



20.6198, 0.3068, 0.3853



20.6198, 0.2556, 0.3310



20.6198, 0.3151, 0.2805



20.6198, 0.3726, 0.3229

Sweetspot

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



20.6207, 0.3068, 0.3853



40.2689, 0.3109, 0.3447



22.5132, 0.3432, 0.3853



9.0487, 0.3108, 0.3457



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.



20.6207, 0.3068, 0.3853



35.9877, 0.3054, 0.4004



20.9592, 0.2918, 0.3543



5.2115, 0.3105, 0.3492



16.0063, 0.2974, 0.5908



0.0559, 0.2868, 0.5524

Inverse Universe

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



16.1069, 0.3192, 0.2785



26.4137, 0.3209, 0.2667



15.7306, 0.3397, 0.3051



4.7553, 0.3151, 0.3096



6.0479, 0.3458, 0.1679



0.0215, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 20.6198, 0.3068, 0.3853 looks on a white background.

Color Contrast Check

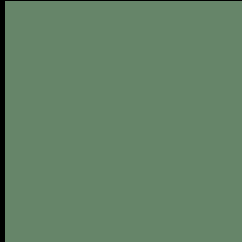
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6198, 0.3068, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

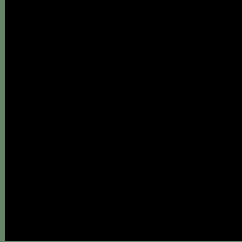
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6198, 0.3068, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 20.6198, 0.3068, 0.3853.



This preview shows how white text looks on a background with the Yxy color 20.6198, 0.3068, 0.3853.

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

20.6198, 0.3068, 0.3853

Protanopia

20.5934, 0.3505, 0.3730

Deuteranopia

20.3553, 0.3570, 0.3502



Tritanopia

20.4906, 0.2793, 0.3083

Trichromacy



Original Color

20.6198, 0.3068, 0.3853

Protanomaly

20.5352, 0.3344, 0.3785

Deuteranomaly

20.3180, 0.3371, 0.3625

Tritanomaly

20.5617, 0.2891, 0.3347

Monochromacy



Original Color

20.6198, 0.3068, 0.3853

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4824, 0.3106, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6198, 0.3068, 0.3853 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(102, 133, 105)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 105)  
}
```

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(102, 133, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 105) }
```

Border

The CSS property to change the border of an element to Yxy 20.6198, 0.3068, 0.3853 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(102, 133, 105) }
```

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

```
.border{ border-color:rgb(102, 133, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 133, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 105);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6198, 0.3068, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 105) }
```

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

```
.background{ background-color: rgb(102,  
133, 105) }
```

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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