

Converting Colors

$Y_{xy}(20.0541, 0.3128, 0.3851)$

Have a look what the booklet for
Yxy(20.0541, 0.3128, 0.3851)
contains.

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Color

Yxy(19.9478, 0.3124, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	698267
RGB	105, 130, 103
RGB Percent	41%, 51%, 40%
CMY	0.5884, 0.4902, 0.5961
CMYK	0.19, 0.00, 0.21, 0.49
HSL	116°, 12%, 46%
HSV	116°, 21%, 51%
XYZ	16.2538, 19.9478, 15.8271
YIQ	119.4470, -6.2330, -13.6970

Conversions

Conversions Part 2

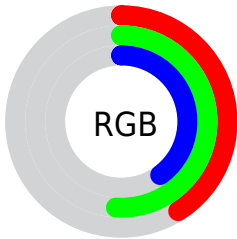
Format	Color
R_{YB}	103, 130, 128
Decimal	6914663
CIE _{Lab}	51.78, -14.62, 11.70
CIE _{LCh}	52, 18.724, 141.326
Yxy	19.9478, 0.3124, 0.3834
Android (android.graphics.Color)	4285104743 (0xFF698267)
YUV	119.4470, -8.1084, -12.6700
Hunter-Lab	44.6630, -13.2004, 10.2536

Details

The Yxy color $19.9478, 0.3124, 0.3834$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.9070, 0.3124, 0.2793$, and the grayscale version is $18.6233, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.3682, 0.3133, 0.3705$, and $7.0402, 0.3106, 0.4093$ is the 20% darker color. If you saturate the color by 10%, you get $19.0287, 0.3119, 0.4141$, and if you desaturate by 10%, it is $21.0127, 0.3126, 0.3556$.

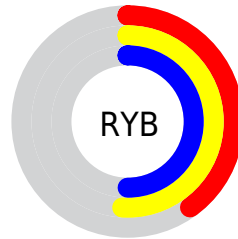
Distribution



Red (41%)

Green (51%)

Blue (40%)



Red (40%)

Yellow (51%)

Blue (50%)

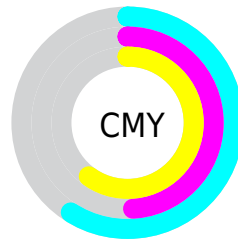


Cyan (19%)

Magenta (0%)

Yellow (21%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9478, 0.3124, 0.3834 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 19.9478, 0.3124, 0.3834 by changing the saturation by 10% instead.

■ 19.9478, 0.3124,
0.3834

■ 19.9478, 0.3124,
0.3834

■ 251.6324, 0.3130,
0.3515

■ 12.3571, 0.3120,
0.3935

■ 43.3296, 0.3128,
0.3704

■ 6.9874, 0.3111,
0.4082

■ 59.8896, 0.3129,
0.3660

■ 3.4542, 0.3092,
0.4314

■ 80.2081, 0.3129,
0.3624

■ 1.3732, 0.3090,
0.4805

■ 104.6695, 0.3130,
0.3595

■ 0.1969, 0.0000,
1.0000

■ 133.6582, 0.3130,
0.3570

■ 0.0000, 0.0000,
0.0000

167.5587, 0.3130,

0.3549

206.7553, 0.3130,
0.3531

■ 19.9478, 0.3124,
0.3834

■ 19.9478, 0.3124,
0.3834

■ 19.0287, 0.3119,
0.4141

■ 21.0127, 0.3126,
0.3556

■ 18.2467, 0.3112,
0.4469

■ 22.2268, 0.3127,
0.3308

■ 17.5959, 0.3101,
0.4808

■ 23.5962, 0.3127,
0.3090

■ 17.0692, 0.3088,
0.5140

■ 25.1264, 0.3125,
0.2900

■ 16.6586, 0.3071,
0.5441

■ 26.8223, 0.3123,
0.2735

■ 16.3553, 0.3053,
0.5690

■ 28.6885, 0.3120,
0.2593

■ 16.1493, 0.3034,
0.5867

■ 30.7298, 0.3117,
0.2469

■ 16.0289, 0.3023,
0.5981

■ 32.9505, 0.3114,
0.2362

■ 35.3549, 0.3111,
0.2269

Harmonies

Analogous

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



19.9478, 0.3465, 0.3912



19.9478, 0.3124, 0.3834



19.9478, 0.2797, 0.3581

Triad

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



19.9478, 0.3124, 0.3834



19.9478, 0.2553, 0.2766



19.9478, 0.3720, 0.3289

Complementary

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



19.9478, 0.3124, 0.3834



15.9070, 0.3124, 0.2793

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.



19.9478, 0.3450, 0.3019



19.9478, 0.3124, 0.3834



19.9478, 0.2774, 0.2724

Square

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



19.9478, 0.3124, 0.3834



19.9478, 0.2479, 0.2949



19.9478, 0.3100, 0.2817



19.9478, 0.3821, 0.3573

Rectangle

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



19.9478, 0.3124, 0.3834



19.9478, 0.2628, 0.3359



19.9478, 0.3100, 0.2817



19.9478, 0.3645, 0.3194

Sweetspot

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



19.9487, 0.3124, 0.3834



37.9560, 0.3127, 0.3437



21.1019, 0.3434, 0.3746



8.5666, 0.3127, 0.3450



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.9487, 0.3124, 0.3834



34.3173, 0.3122, 0.3978



20.0728, 0.2986, 0.3604



4.8325, 0.3127, 0.3512



15.3679, 0.3024, 0.5981



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.9070, 0.3124, 0.2793



25.8435, 0.3122, 0.2676



15.7746, 0.3300, 0.2996



4.3970, 0.3126, 0.3077



5.4143, 0.3033, 0.1445



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.9478, 0.3124, 0.3834 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 19.9478, 0.3124, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

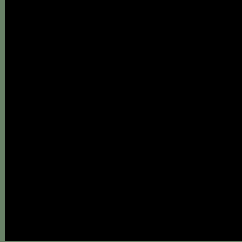
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9478, 0.3124, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 19.9478, 0.3124, 0.3834.



This preview shows how white text looks on a background with the Yxy color 19.9478, 0.3124, 0.3834.

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

19.9478, 0.3124, 0.3834

Protanopia

19.9113, 0.3499, 0.3717

Deuteranopia

19.8763, 0.3585, 0.3540



Tritanopia

20.0143, 0.2841, 0.3101

Trichromacy



Original Color

19.9478, 0.3124, 0.3834

Protanomaly

19.9989, 0.3361, 0.3769

Deuteranomaly

19.7546, 0.3412, 0.3647

Tritanomaly

19.8221, 0.2941, 0.3348

Monochromacy



Original Color

19.9478, 0.3124, 0.3834

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9356, 0.3130, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9478, 0.3124, 0.3834 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(105, 130, 103)` looks like.

```
.text, #text, p{  
    color:rgb(105, 130, 103)  
}
```

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(105, 130, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 130, 103) }
```

Border

The CSS property to change the border of an element to Yxy 19.9478, 0.3124, 0.3834 is called "border". The border property can be set on classes, ids or directly on the HTML element.

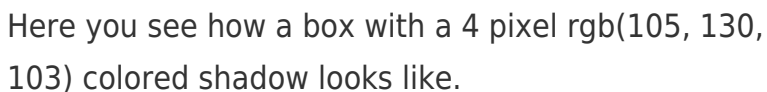
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 130, 103) }
```

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

```
.border{ border-color:rgb(105, 130, 103) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 130, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 130, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 130, 103); box-shadow:4px 4px 4px 4px rgb(105, 130, 103) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9478, 0.3124, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 130, 103) }
```

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

```
.background{ background-color: rgb(105,  
130, 103) }
```

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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