

Converting Colors

$Y_{xy}(19.6163, 0.3331, 0.4244)$

Have a look what the booklet for
Yxy(19.6163, 0.3331, 0.4244)
contains.

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Color

Yxy(19.5931, 0.3333, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	698253
RGB	105, 130, 83
RGB Percent	41%, 51%, 33%
CMY	0.5881, 0.4902, 0.6745
CMYK	0.19, 0.00, 0.36, 0.49
HSL	92°, 22%, 42%
HSV	92°, 36%, 51%
XYZ	15.3728, 19.5931, 11.1572
YIQ	117.1670, 0.1870, -19.9170

Conversions

Conversions Part 2

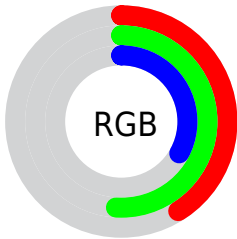
Format	Color
R_{YB}	83, 130, 108
Decimal	6914643
CIE _{Lab}	51.37, -17.98, 22.57
CIE _{LCh}	51, 28.860, 128.544
Yxy	19.5931, 0.3333, 0.4248
Android (android.graphics.Color)	4285104723 (0xFF698253)
YUV	117.1670, -16.8443, -10.6705
Hunter-Lab	44.2641, -15.4695, 16.0403

Details

The Yxy color **19.5931, 0.3333, 0.4248** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.9863, 0.2841, 0.2346**, and the grayscale version is **17.8993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7285, 0.3297, 0.4016**, and **6.8883, 0.3384, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **19.0100, 0.3377, 0.4540**, and if you desaturate by 10%, it is **20.2495, 0.3281, 0.3962**.

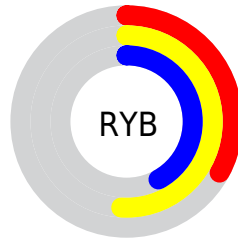
Distribution



Red (41%)

Green (51%)

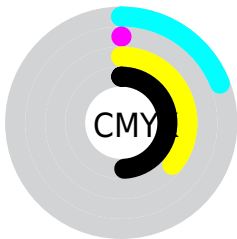
Blue (33%)



Red (33%)

Yellow (51%)

Blue (42%)

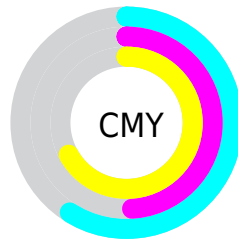


Cyan (19%)

Magenta (0%)

Yellow (36%)

Black (49%)



Cyan (59%)


Magenta (49%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5931, 0.3333, 0.4248 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 19.5931, 0.3333, 0.4248 by changing the saturation by 10% instead.


 19.5931, 0.3333,
0.4248


 19.5931, 0.3333,
0.4248


249.7037, 0.3229,
0.3682


 12.0996, 0.3356,
0.4428


 42.7339, 0.3296,
0.4016

 6.8116, 0.3379,
0.4687


 59.1501, 0.3282,
0.3938

 3.3445, 0.3391,
0.5089

 79.3092, 0.3270,
0.3874

 1.3141, 0.3657,
0.6343

 103.5957, 0.3259,
0.3822

 0.1521, 0.0000,
1.0000

 132.3940, 0.3250,
0.3779

 0.0000, 0.0000,
0.0000

166.0886, 0.3242,

0.3741

205.0637, 0.3235,
0.3710

■ 19.5931, 0.3333,
0.4248

■ 19.5931, 0.3333,
0.4248

■ 19.0100, 0.3377,
0.4540

■ 20.2495, 0.3281,
0.3962

■ 18.4949, 0.3409,
0.4828

■ 20.9794, 0.3223,
0.3689

■ 18.0452, 0.3425,
0.5098


■ 21.7862, 0.3164,
0.3436

■ 17.6578, 0.3422,
0.5336


■ 22.6724, 0.3104,
0.3203

■ 17.3285, 0.3400,
0.5530

■ 23.6402, 0.3046,
0.2991

 17.0514, 0.3360,
0.5674

 24.6918, 0.2990,
0.2801

 16.9539, 0.3345,
0.5726

 25.8295, 0.2937,
0.2631

 27.0552, 0.2887,
0.2479

 28.3708, 0.2840,
0.2343

Harmonies

Analogous

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



19.5931, 0.3825, 0.4208



19.5931, 0.3333, 0.4248



19.5931, 0.2809, 0.3955

Triad

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



19.5931, 0.3333, 0.4248



19.5931, 0.2191, 0.2575



19.5931, 0.3896, 0.3094

Complementary

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



19.5931, 0.3333, 0.4248



10.9863, 0.2841, 0.2346

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.



19.5931, 0.3393, 0.2738



19.5931, 0.3333, 0.4248



19.5931, 0.2424, 0.2440

Square

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



19.5931, 0.3333, 0.4248



19.5931, 0.2179, 0.2922



19.5931, 0.2850, 0.2504



19.5931, 0.4179, 0.3512

Rectangle

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



19.5931, 0.3333, 0.4248



19.5931, 0.2513, 0.3620



19.5931, 0.2850, 0.2504



19.5931, 0.3745, 0.2965

Sweetspot

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



19.5940, 0.3333, 0.4248



37.6276, 0.3194, 0.3563



15.9453, 0.3785, 0.3759



8.4818, 0.3201, 0.3591



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.



19.5940, 0.3333, 0.4248



33.6935, 0.3368, 0.4477



18.4404, 0.3071, 0.4309



4.9098, 0.3181, 0.3508



16.2614, 0.3346, 0.5725



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9863, 0.2841, 0.2346



16.2911, 0.2760, 0.2125



12.5243, 0.3179, 0.2446



4.3154, 0.3069, 0.3073



2.7650, 0.2115, 0.0939



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.5931, 0.3333, 0.4248 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 19.5931, 0.3333, 0.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

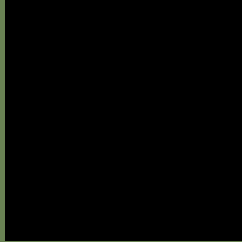
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5931, 0.3333, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 19.5931, 0.3333, 0.4248.



This preview shows how white text looks on a background with the Yxy color 19.5931, 0.3333, 0.4248.

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

19.5931, 0.3333, 0.4248

Protanopia

19.4848, 0.3770, 0.4062

Deuteranopia

19.4142, 0.3893, 0.3833



Tritanopia

19.6472, 0.2892, 0.3101

Trichromacy



Original Color

19.5931, 0.3333, 0.4248

Protanomaly

19.4723, 0.3606, 0.4134

Deuteranomaly

19.3208, 0.3670, 0.3983

Tritanomaly

19.4745, 0.3058, 0.3506

Monochromacy



Original Color

19.5931, 0.3333, 0.4248

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.4497, 0.3210, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5931, 0.3333, 0.4248 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(105, 130, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 130, 83) }
```

Border

The CSS property to change the border of an element to Yxy 19.5931, 0.3333, 0.4248 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, 83) }
```

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

```
.border{ border-color:rgb(105, 130, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 130, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 130, 83);  
box-shadow:4px 4px 4px 4px rgb(105, 130,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5931, 0.3333, 0.4248 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, 83) }
```

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

```
.background{ background-color: rgb(105,  
130, 83) }
```

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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