

Converting Colors

$Y_{xy}(19.8512, 0.3076, 0.4129)$

Have a look what the booklet for
Yxy(19.8512, 0.3076, 0.4129)
contains.

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Color

Yxy(19.8407, 0.3077, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	5C855D
RGB	92, 133, 93
RGB Percent	36%, 52%, 36%
CMY	0.6392, 0.4784, 0.6352
CMYK	0.31, 0.00, 0.30, 0.48
HSL	121°, 18%, 44%
HSV	121°, 31%, 52%
XYZ	14.7785, 19.8407, 13.4096
YIQ	116.1810, -11.5960, -21.1320

Conversions

Conversions Part 2

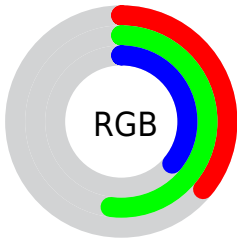
Format	Color
R_{YB}	92, 132, 133
Decimal	6063453
CIE _{Lab}	51.66, -22.76, 17.14
CIE _{LCh}	52, 28.493, 143.011
Yxy	19.8407, 0.3077, 0.4131
Android (android.graphics.Color)	4284253533 (0xFF5C855D)
YUV	116.1810, -11.4282, -21.2067
Hunter-Lab	44.5429, -18.7273, 13.3308

Details

The Yxy color **19.8407, 0.3077, 0.4131** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3093, 0.3175, 0.2572**, and the grayscale version is **17.5634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9711, 0.3090, 0.3914**, and **6.9272, 0.3025, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **19.0047, 0.3059, 0.4459**, and if you desaturate by 10%, it is **20.8376, 0.3094, 0.3827**.

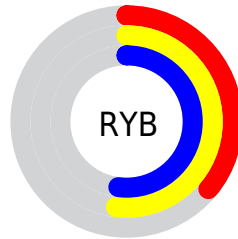
Distribution



Red (36%)

Green (52%)

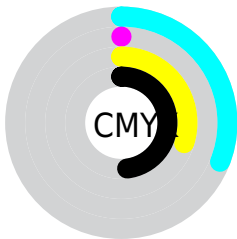
Blue (36%)



Red (36%)

Yellow (52%)

Blue (52%)

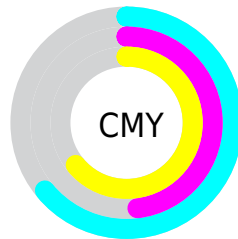


Cyan (31%)

Magenta (0%)

Yellow (30%)

Black (48%)



Cyan (64%)


Magenta (48%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8407, 0.3077, 0.4131 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 19.8407, 0.3077, 0.4131 by changing the saturation by 10% instead.


 19.8407, 0.3077,
0.4131

 19.8407, 0.3077,
0.4131


251.0514, 0.3116,
0.3632


 12.2793, 0.3059,
0.4293


 43.1499, 0.3096,
0.3925


 6.9342, 0.3027,
0.4529


 59.6666, 0.3102,
0.3856

 3.4210, 0.2964,
0.4906

 79.9371, 0.3106,
0.3800

 1.3553, 0.3005,
0.6070

 104.3458, 0.3109,
0.3754

 0.1834, 0.0000,
1.0000

133.2773, 0.3112,
0.3716

 0.0000, 0.0000,
0.0000

167.1157, 0.3114,

0.3684

206.2457, 0.3115,
0.3656

■ 19.8407, 0.3077,
0.4131

■ 19.8407, 0.3077,
0.4131

■ 19.0047, 0.3059,
0.4459

■ 20.8376, 0.3094,
0.3827

■ 18.3189, 0.3041,
0.4799

■ 22.0007, 0.3111,
0.3552

■ 17.7752, 0.3025,
0.5133

■ 23.3379, 0.3126,
0.3308


■ 17.3635, 0.3012,
0.5437


■ 24.8559, 0.3140,
0.3096

■ 17.0727, 0.3003,
0.5689

■ 26.5612, 0.3152,
0.2912

 16.8896, 0.2998,
0.5868

 28.4598, 0.3163,
0.2753

 16.7820, 0.2994,
0.5977

 30.5576, 0.3172,
0.2616

 32.8600, 0.3181,
0.2498

 35.3725, 0.3188,
0.2396

Harmonies

Analogous

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



19.8407, 0.3594, 0.4250



19.8407, 0.3077, 0.4131



19.8407, 0.2597, 0.3711

Triad

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



19.8407, 0.3077, 0.4131



19.8407, 0.2289, 0.2497



19.8407, 0.4053, 0.3293

Complementary

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



19.8407, 0.3077, 0.4131



14.3093, 0.3175, 0.2572

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.



19.8407, 0.3644, 0.2904



19.8407, 0.3077, 0.4131



19.8407, 0.2617, 0.2460

Square

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



19.8407, 0.3077, 0.4131



19.8407, 0.2171, 0.2739



19.8407, 0.3106, 0.2608



19.8407, 0.4185, 0.3709

Rectangle

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



19.8407, 0.3077, 0.4131



19.8407, 0.2361, 0.3353



19.8407, 0.3106, 0.2608



19.8407, 0.3942, 0.3157

Sweetspot

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



19.8415, 0.3077, 0.4131



39.7636, 0.3113, 0.3510



22.4789, 0.3565, 0.4030



8.8939, 0.3111, 0.3543



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.



19.8415, 0.3077, 0.4131



34.4508, 0.3064, 0.4360



20.2475, 0.2882, 0.3695



5.2065, 0.3114, 0.3508



15.9855, 0.2994, 0.5977



0.0555, 0.2964, 0.5870

Inverse Universe

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



14.3093, 0.3175, 0.2572



22.8911, 0.3187, 0.2412



13.8093, 0.3470, 0.2919



4.7609, 0.3141, 0.3081



6.2789, 0.3269, 0.1575



0.0219, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 19.8407, 0.3077, 0.4131 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 19.8407, 0.3077, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

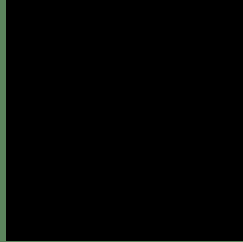
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8407, 0.3077, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 19.8407, 0.3077, 0.4131.



This preview shows how white text looks on a background with the Yxy color 19.8407, 0.3077, 0.4131.

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

19.8407, 0.3077, 0.4131

Protanopia

19.7760, 0.3656, 0.3938

Deuteranopia

19.6410, 0.3732, 0.3680



Tritanopia

19.7230, 0.2720, 0.3077

Trichromacy



Original Color

19.8407, 0.3077, 0.4131

Protanomaly

19.6988, 0.3418, 0.4015

Deuteranomaly

19.2772, 0.3467, 0.3828

Tritanomaly

19.6470, 0.2844, 0.3430

Monochromacy



Original Color

19.8407, 0.3077, 0.4131

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1276, 0.3102, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8407, 0.3077, 0.4131 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, 133, 93)` looks like.

```
.text, #text, p{  
    color:rgb(92, 133, 93)  
}
```

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, 133, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 133, 93) }
```

Border

The CSS property to change the border of an element to Yxy 19.8407, 0.3077, 0.4131 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, 133, 93) }
```

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

```
.border{ border-color:rgb(92, 133, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 133, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 133, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 133, 93);  
box-shadow:4px 4px 4px 4px rgb(92, 133,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8407, 0.3077, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 133, 93) }
```

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

```
.background{ background-color: rgb(92, 133,  
93) }
```

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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