

Converting Colors

$Y_{xy}(19.3931, 0.3180, 0.3830)$

Have a look what the booklet for
Yxy(19.3931, 0.3180, 0.3830)
contains.

Yxy(19.5037, 0.3172, 0.3835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5037, 0.3172, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	6B8065
RGB	107, 128, 101
RGB Percent	42%, 50%, 40%
CMY	0.5803, 0.4980, 0.6040
CMYK	0.16, 0.00, 0.21, 0.50
HSL	107°, 12%, 45%
HSV	107°, 21%, 50%
XYZ	16.1319, 19.5037, 15.2215
YIQ	118.6430, -3.8490, -12.8490

Conversions

Conversions Part 2

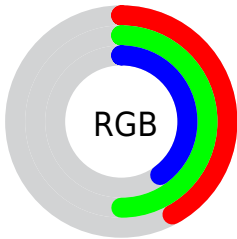
Format	Color
RYB	101, 128, 122
Decimal	7045221
CIELab	51.27, -13.13, 12.19
CIELCh	51, 17.913, 137.135
Yxy	19.5037, 0.3172, 0.3835
Android (android.graphics.Color)	4285235301 (0xFF6B8065)
YUV	118.6430, -8.6980, -10.2109
Hunter-Lab	44.1630, -12.0827, 10.4788

Details

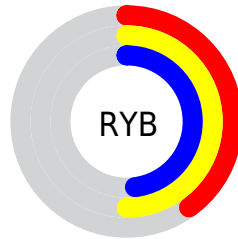
The Yxy color $19.5037, 0.3172, 0.3835$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.9980, 0.3068, 0.2777$, and the grayscale version is $18.3587, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.6857, 0.3168, 0.3705$, and $6.7881, 0.3176, 0.4095$ is the 20% darker color. If you saturate the color by 10%, you get $18.6915, 0.3189, 0.4132$, and if you desaturate by 10%, it is $20.4275, 0.3152, 0.3562$.

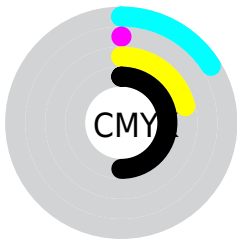
Distribution



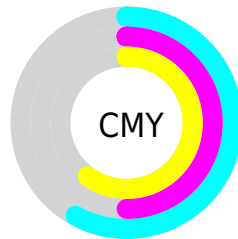
- Red (42%)
- Green (50%)
- Blue (40%)



- Red (40%)
- Yellow (50%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (50%)





- Cyan (58%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5037, 0.3172, 0.3835 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 19.5037, 0.3172, 0.3835 by changing the saturation by 10% instead.


 19.5037, 0.3172,
0.3835


 19.5037, 0.3172,
0.3835


249.2155, 0.3151,
0.3515


 12.0348, 0.3176,
0.3937


 42.5835, 0.3165,
0.3704


 6.7674, 0.3179,
0.4085


 58.9632, 0.3162,
0.3660

 3.3171, 0.3179,
0.4319

 79.0820, 0.3159,
0.3624

 1.2994, 0.3240,
0.4863

 103.3242, 0.3157,
0.3595

 0.1407, 0.0000,
1.0000

132.0743, 0.3155,
0.3570

 0.0000, 0.0000,
0.0000

165.7166, 0.3154,

0.3549

204.6356, 0.3152,
0.3531

■ 19.5037, 0.3172,
0.3835

■ 19.5037, 0.3172,
0.3835

■ 18.6915, 0.3189,
0.4132

■ 20.4275, 0.3152,
0.3562

■ 17.9843, 0.3201,
0.4447

■ 21.4645, 0.3130,
0.3316

■ 17.3783, 0.3205,
0.4769


■ 22.6191, 0.3107,
0.3096

■ 16.8689, 0.3201,
0.5084

■ 23.8950, 0.3084,
0.2902

■ 16.4507, 0.3187,
0.5373


■ 25.2957, 0.3062,
0.2731

 16.1182, 0.3162,
0.5616


 26.8243, 0.3040,
0.2581

 15.8647, 0.3128,
0.5798

 28.4842, 0.3020,
0.2449

 15.6937, 0.3099,
0.5921

 30.2782, 0.3001,
0.2334

 32.2095, 0.2983,
0.2232

Harmonies

Analogous

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



19.5037, 0.3495, 0.3885



19.5037, 0.3172, 0.3835



19.5037, 0.2849, 0.3611

Triad

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



19.5037, 0.3172, 0.3835



19.5037, 0.2554, 0.2801



19.5037, 0.3670, 0.3251

Complementary

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



19.5037, 0.3172, 0.3835



14.9980, 0.3068, 0.2777

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.



19.5037, 0.3394, 0.2996



19.5037, 0.3172, 0.3835



19.5037, 0.2750, 0.2741

Square

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



19.5037, 0.3172, 0.3835



19.5037, 0.2504, 0.2996



19.5037, 0.3054, 0.2813



19.5037, 0.3794, 0.3528

Rectangle

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



19.5037, 0.3172, 0.3835



19.5037, 0.2675, 0.3403



19.5037, 0.3054, 0.2813



19.5037, 0.3591, 0.3161

Sweetspot

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



19.5045, 0.3172, 0.3835



36.8469, 0.3141, 0.3436



19.3733, 0.3453, 0.3681



8.6047, 0.3142, 0.3449



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.



19.5045, 0.3172, 0.3835



33.6771, 0.3180, 0.3965



19.2911, 0.3026, 0.3694



4.8615, 0.3147, 0.3510



15.5616, 0.3099, 0.5921



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9980, 0.3068, 0.2777



24.3559, 0.3052, 0.2663



15.2688, 0.3247, 0.2917



4.3655, 0.3104, 0.3075



4.2006, 0.2667, 0.1243



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.5037, 0.3172, 0.3835 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 19.5037, 0.3172, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

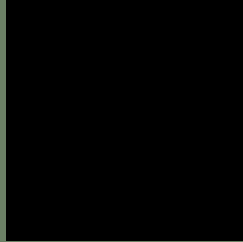
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

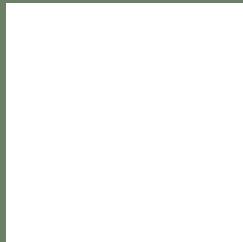
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.5037, 0.3172, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 19.5037, 0.3172, 0.3835.



This preview shows how white text looks on a background with the Yxy color 19.5037, 0.3172, 0.3835.

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

19.5037, 0.3172, 0.3835

Protanopia

19.4680, 0.3501, 0.3741

Deuteranopia

19.2773, 0.3606, 0.3542



Tritanopia

19.5535, 0.2891, 0.3119

Trichromacy



Original Color

19.5037, 0.3172, 0.3835

Protanomaly

19.3811, 0.3377, 0.3774

Deuteranomaly

19.2232, 0.3443, 0.3649

Tritanomaly

19.3627, 0.2994, 0.3368

Monochromacy



Original Color

19.5037, 0.3172, 0.3835

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.7338, 0.3155, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5037, 0.3172, 0.3835 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(107, 128, 101)` looks like.

```
.text, #text, p{  
    color:rgb(107, 128, 101)  
}
```

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(107, 128, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 128, 101) }
```

Border

The CSS property to change the border of an element to Yxy 19.5037, 0.3172, 0.3835 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(107, 128, 101) }
```

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

```
.border{ border-color:rgb(107, 128, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 128, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 128, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 128, 101);  
box-shadow:4px 4px 4px 4px rgb(107, 128,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5037, 0.3172, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 128, 101) }
```

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

```
.background{ background-color: rgb(107,  
128, 101) }
```

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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