

Converting Colors

$Y_{xy}(19.2817, 0.3374, 0.4785)$

Have a look what the booklet for
Yxy(19.2817, 0.3374, 0.4785)
contains.

Yxy(19.3873, 0.3371, 0.4791)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.3873, 0.3371, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	5C853D
RGB	92, 133, 61
RGB Percent	36%, 52%, 24%
CMY	0.6393, 0.4784, 0.7608
CMYK	0.31, 0.00, 0.54, 0.48
HSL	94°, 37%, 38%
HSV	94°, 54%, 52%
XYZ	13.6411, 19.3873, 7.4377
YIQ	112.5330, -1.3240, -31.0840

Conversions

Conversions Part 2

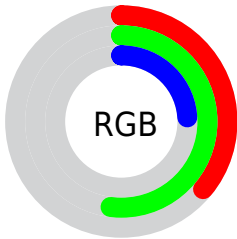
Format	Color
RYB	61, 133, 102
Decimal	6063421
CIELab	51.14, -27.60, 34.00
CIELCh	51, 43.792, 129.073
Yxy	19.3873, 0.3371, 0.4791
Android (android.graphics.Color)	4284253501 (0xFF5C853D)
YUV	112.5330, -25.4058, -18.0074
Hunter-Lab	44.0310, -21.7537, 20.8065

Details

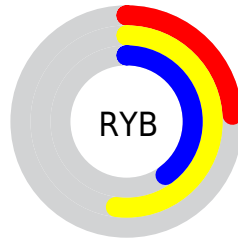
The Yxy color **19.3873, 0.3371, 0.4791** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7.8582, 0.2688, 0.1855**, and the grayscale version is **16.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1729, 0.3346, 0.4427**, and **6.7053, 0.3360, 0.5476** is the 20% darker color. If you saturate the color by 10%, you get **18.8912, 0.3385, 0.5072**, and if you desaturate by 10%, it is **19.9597, 0.3342, 0.4495**.

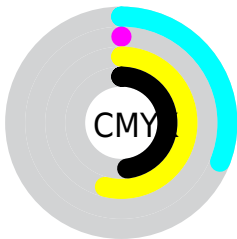
Distribution



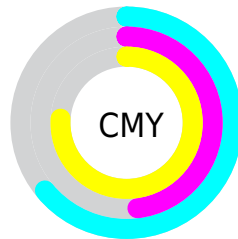
- Red (36%)
- Green (52%)
- Blue (24%)



- Red (24%)
- Yellow (52%)
- Blue (40%)



- Cyan (31%)
- Magenta (0%)
- Yellow (54%)
- Black (48%)




- Cyan (64%)
- Magenta (48%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3873, 0.3371, 0.4791 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 19.3873, 0.3371, 0.4791 by changing the saturation by 10% instead.


 19.3873, 0.3371,
0.4791


 19.3873, 0.3371,
0.4791


 248.5786, 0.3268,
0.3895


 11.9505, 0.3375,
0.5073


 42.3875, 0.3345,
0.4424


 6.7100, 0.3356,
0.5472


 58.7197, 0.3330,
0.4300

 3.2814, 0.3386,
0.6286

 78.7858, 0.3317,
0.4199


 1.2803, 0.2801,
0.7199

 102.9702, 0.3305,
0.4116

 0.1259, 0.0000,
1.0000

 131.6573, 0.3294,
0.4047

 0.0000, 0.0000,
0.0000

 165.2314, 0.3285,

0.3989

204.0771, 0.3276,
0.3939

■ 19.3873, 0.3371,
0.4791

■ 19.3873, 0.3371,
0.4791

■ 18.8912, 0.3385,
0.5072

■ 19.9597, 0.3342,
0.4495

■ 18.4651, 0.3382,
0.5324

■ 20.6094, 0.3303,
0.4198

■ 18.1056, 0.3359,
0.5532

■ 21.3404, 0.3255,
0.3910

■ 17.8074, 0.3320,
0.5686

■ 22.1559, 0.3203,
0.3639

■ 17.6534, 0.3295,
0.5766

■ 23.0587, 0.3150,
0.3388

■ 24.0514, 0.3096,
0.3159

■ 25.1368, 0.3043,
0.2952

■ 26.3173, 0.2993,
0.2767

■ 27.5952, 0.2945,
0.2602

Harmonies

Analogous

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



19.3873, 0.4109, 0.4648



19.3873, 0.3371, 0.4791



19.3873, 0.2609, 0.4336

Triad

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



19.3873, 0.3371, 0.4791



19.3873, 0.1786, 0.2220



19.3873, 0.4310, 0.2986

Complementary

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



19.3873, 0.3371, 0.4791



7.8582, 0.2688, 0.1855

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.



19.3873, 0.3528, 0.2496



19.3873, 0.3371, 0.4791



19.3873, 0.2107, 0.2065

Square

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



19.3873, 0.3371, 0.4791



19.3873, 0.1755, 0.2687



19.3873, 0.2712, 0.2171



19.3873, 0.4725, 0.3562

Rectangle

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



19.3873, 0.3371, 0.4791



19.3873, 0.2193, 0.3774



19.3873, 0.2712, 0.2171



19.3873, 0.4075, 0.2809

Sweetspot

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



19.3881, 0.3371, 0.4791



39.3328, 0.3215, 0.3697



14.7886, 0.4177, 0.4051



8.8038, 0.3224, 0.3743



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.



19.3881, 0.3371, 0.4791



33.6360, 0.3386, 0.5134



18.1606, 0.3012, 0.4845



5.2954, 0.3176, 0.3510



16.8174, 0.3296, 0.5765



0.0624, 0.3641, 0.5491

Inverse Universe

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



7.8582, 0.2688, 0.1855



10.6915, 0.2553, 0.1544



9.8887, 0.3263, 0.2116



4.6657, 0.3074, 0.3071



3.0736, 0.2193, 0.0982



0.0150, 0.2646, 0.1231

Previews

White Background



This preview shows how the Yxy color 19.3873, 0.3371, 0.4791 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 19.3873, 0.3371, 0.4791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

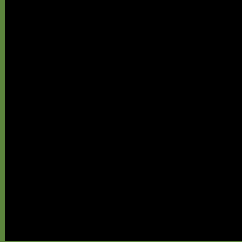
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3873, 0.3371, 0.4791

Background



This preview shows how black text looks on a background with the Yxy color 19.3873, 0.3371, 0.4791.



This preview shows how white text looks on a background with the Yxy color 19.3873, 0.3371, 0.4791.

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

19.3873, 0.3371, 0.4791

Protanopia

19.3654, 0.4045, 0.4428

Deuteranopia

19.2737, 0.4199, 0.4124



Tritanopia

19.3001, 0.2775, 0.3096

Trichromacy



Original Color

19.3873, 0.3371, 0.4791

Protanomaly

19.1491, 0.3783, 0.4576

Deuteranomaly

18.8784, 0.3879, 0.4362

Tritanomaly

19.1737, 0.3005, 0.3701

Monochromacy



Original Color

19.3873, 0.3371, 0.4791

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.2444, 0.3239, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3873, 0.3371, 0.4791 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(92, 133, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 133, 61) }
```

Border

The CSS property to change the border of an element to Yxy 19.3873, 0.3371, 0.4791 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, 61) }
```

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

```
.border{ border-color:rgb(92, 133, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 133, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 133, 61);  
box-shadow:4px 4px 4px 4px rgb(92, 133,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3873, 0.3371, 0.4791 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, 61) }
```

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

```
.background{ background-color: rgb(92, 133,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor