

Converting Colors

$Yxy(19.9835, 0.3053, 0.3929)$

Have a look what the booklet for
Yxy(19.9835, 0.3053, 0.3929)
contains.

Yxy(19.9835, 0.3053, 0.3929)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9835, 0.3053, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	618465
RGB	97, 132, 101
RGB Percent	38%, 52%, 40%
CMY	0.6197, 0.4823, 0.6039
CMYK	0.27, 0.00, 0.23, 0.48
HSL	127°, 15%, 45%
HSV	127°, 27%, 52%
XYZ	15.5280, 19.9835, 15.3500
YIQ	118.0010, -10.9090, -17.0610

Conversions

Conversions Part 2

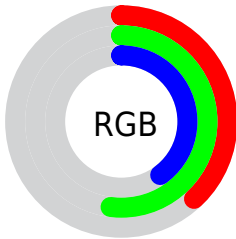
Format	Color
RYB	97, 128, 132
Decimal	6390885
CIELab	51.82, -18.99, 12.84
CIElCh	52, 22.919, 145.935
Yxy	19.9835, 0.3053, 0.3929
Android (android.graphics.Color)	4284580965 (0xFF618465)
YUV	118.0010, -8.3815, -18.4179
Hunter-Lab	44.7029, -16.2262, 10.9331

Details

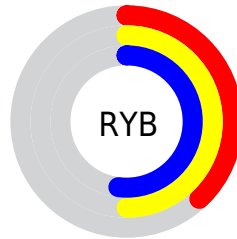
The Yxy color **19.9835, 0.3053, 0.3929** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.0095, 0.3211, 0.2725**, and the grayscale version is **18.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2608, 0.3072, 0.3772**, and **6.9539, 0.3004, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **19.1057, 0.3026, 0.4218**, and if you desaturate by 10%, it is **21.0162, 0.3081, 0.3665**.

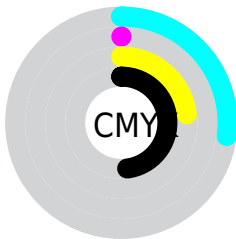
Distribution



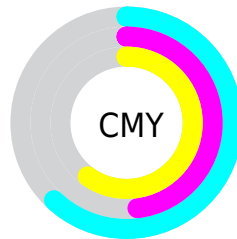
- Red (38%)
- Green (52%)
- Blue (40%)



- Red (38%)
- Yellow (50%)
- Blue (52%)



- Cyan (27%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)





- Cyan (62%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9835, 0.3053, 0.3929 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 19.9835, 0.3053, 0.3929 by changing the saturation by 10% instead.


 19.9835, 0.3053,
0.3929


 19.9835, 0.3053,
0.3929


251.8258, 0.3102,
0.3552


 12.3831, 0.3035,
0.4050


 43.3895, 0.3075,
0.3775


 7.0051, 0.3005,
0.4226

 59.9639, 0.3081,
0.3722

 3.4653, 0.2953,
0.4505

 80.2983, 0.3087,
0.3680

 1.3792, 0.2904,
0.5134

 104.7773, 0.3091,
0.3646

 0.2013, 0.0000,
1.0000

133.7851, 0.3094,
0.3617

 0.0000, 0.0000,
0.0000

167.7062, 0.3097,

0.3592

206.9249, 0.3100,
0.3571

■ 19.9835, 0.3053,
0.3929

■ 19.9835, 0.3053,
0.3929

■ 19.1057, 0.3026,
0.4218

■ 21.0162, 0.3081,
0.3665

■ 18.3730, 0.3001,
0.4526

■ 22.2082, 0.3109,
0.3429

■ 17.7782, 0.2980,
0.4841

■ 23.5667, 0.3136,
0.3221

■ 17.3127, 0.2966,
0.5149

■ 25.0978, 0.3162,
0.3039

■ 16.9668, 0.2959,
0.5430

■ 26.8072, 0.3186,
0.2881

■ 16.7294, 0.2961,
0.5665

■ 28.7005, 0.3208,
0.2743

■ 16.5819, 0.2969,
0.5840

■ 30.7829, 0.3228,
0.2625

■ 16.5396, 0.2969,
0.5888

■ 33.0595, 0.3247,
0.2522

■ 35.5351, 0.3264,
0.2433

Harmonies

Analogous

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



19.9835, 0.3473, 0.4057



19.9835, 0.3053, 0.3929



19.9835, 0.2670, 0.3586

Triad

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



19.9835, 0.3053, 0.3929



19.9835, 0.2463, 0.2635



19.9835, 0.3889, 0.3335

Complementary

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



19.9835, 0.3053, 0.3929



15.0095, 0.3211, 0.2725

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.



19.9835, 0.3582, 0.3006



19.9835, 0.3053, 0.3929



19.9835, 0.2750, 0.2615

Square

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



19.9835, 0.3053, 0.3929



19.9835, 0.2346, 0.2824



19.9835, 0.3157, 0.2750



19.9835, 0.3974, 0.3675

Rectangle

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



19.9835, 0.3053, 0.3929



19.9835, 0.2483, 0.3305



19.9835, 0.3157, 0.2750



19.9835, 0.3808, 0.3221

Sweetspot

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



19.9843, 0.3053, 0.3929



38.7502, 0.3105, 0.3466



21.9957, 0.3468, 0.3934



8.9538, 0.3101, 0.3497



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.



19.9843, 0.3053, 0.3929



34.2108, 0.3036, 0.4105



20.3527, 0.2886, 0.3571



5.2128, 0.3102, 0.3488



16.0129, 0.2968, 0.5887



0.0560, 0.2844, 0.5439

Inverse Universe

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



15.0095, 0.3211, 0.2725



23.8741, 0.3234, 0.2593



14.5988, 0.3454, 0.3027



4.7539, 0.3153, 0.3100



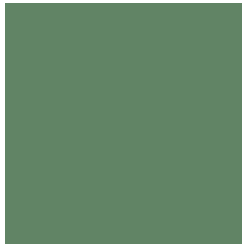
5.9904, 0.3512, 0.1708



0.0214, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 19.9835, 0.3053, 0.3929 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 19.9835, 0.3053, 0.3929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

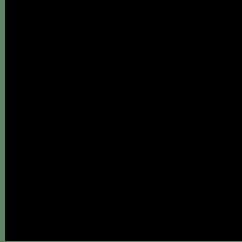
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9835, 0.3053, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 19.9835, 0.3053, 0.3929.



This preview shows how white text looks on a background with the Yxy color 19.9835, 0.3053, 0.3929.

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

19.9835, 0.3053, 0.3929

Protanopia

19.8543, 0.3535, 0.3773

Deuteranopia

19.7071, 0.3616, 0.3539



Tritanopia

19.9279, 0.2770, 0.3098

Trichromacy



Original Color

19.9835, 0.3053, 0.3929

Protanomaly

19.7255, 0.3357, 0.3834

Deuteranomaly

19.5808, 0.3398, 0.3669

Tritanomaly

19.9225, 0.2866, 0.3388

Monochromacy



Original Color

19.9835, 0.3053, 0.3929

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6508, 0.3093, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9835, 0.3053, 0.3929 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(97, 132, 101)` looks like.

```
.text, #text, p{  
    color:rgb(97, 132, 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(97, 132, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 132, 101) }
```

Border

The CSS property to change the border of an element to Yxy 19.9835, 0.3053, 0.3929 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(97, 132, 101) }
```

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

```
.border{ border-color:rgb(97, 132, 101) }
```

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

Here you see how a box with a 4 pixel rgb(97, 132, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 132, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 132, 101);  
box-shadow:4px 4px 4px 4px rgb(97, 132,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9835, 0.3053, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 132, 101) }
```

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

```
.background{ background-color: rgb(97, 132,  
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](#).

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