

Converting Colors

$Y_{xy}(18.9805, 0.3554, 0.3592)$

Have a look what the booklet for
Yxy(18.9805, 0.3554, 0.3592)
contains.

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Color

Yxy(19.0473, 0.3560, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	877665
RGB	135, 118, 101
RGB Percent	53%, 46%, 40%
CMY	0.4706, 0.5373, 0.6039
CMYK	0.00, 0.13, 0.25, 0.47
HSL	30°, 14%, 46%
HSV	30°, 25%, 53%
XYZ	18.8200, 19.0473, 14.9978
YIQ	121.1450, 15.5890, -1.6830

Conversions

Conversions Part 2

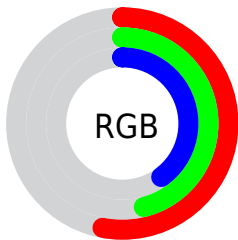
Format	Color
RYB	135, 135, 101
Decimal	8877669
CIELab	50.74, 3.74, 11.78
CIElCh	51, 12.365, 72.374
Yxy	19.0473, 0.3560, 0.3603
Android (android.graphics.Color)	4287067749 (0xFF877665)
YUV	121.1450, -9.9315, 12.1508
Hunter-Lab	43.6432, 0.5978, 10.1755

Details

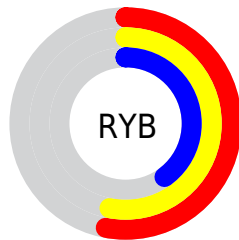
The Yxy color **19.0473, 0.3560, 0.3603** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4762, 0.2743, 0.2955**, and the grayscale version is **19.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8353, 0.3463, 0.3531**, and **6.5780, 0.3753, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **17.2710, 0.3771, 0.3734**, and if you desaturate by 10%, it is **20.9827, 0.3372, 0.3474**.

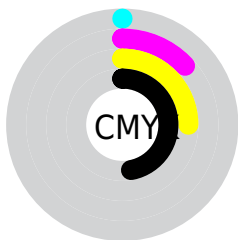
Distribution



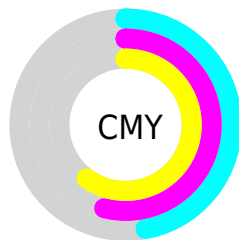
- Red (53%)
- Green (46%)
- Blue (40%)



- Red (53%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (25%)
- Black (47%)





- Cyan (47%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0473, 0.3560, 0.3603 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 19.0473, 0.3560, 0.3603 by changing the saturation by 10% instead.


 19.0473, 0.3560,
0.3603


 19.0473, 0.3560,
0.3603


246.7098, 0.3311,
0.3426


 11.7045, 0.3636,
0.3655


 41.8140, 0.3460,
0.3533


 6.5428, 0.3745,
0.3728


 58.0067, 0.3425,
0.3508

 3.1778, 0.3911,
0.3836

 77.9181, 0.3397,
0.3488

 1.2253, 0.4304,
0.4114

 101.9326, 0.3374,
0.3472

 0.0822, 0.6735,
0.3265

130.4346, 0.3354,
0.3458

 0.0000, 0.0000,
0.0000

163.8086, 0.3338,

0.3446

202.4388, 0.3323,
0.3435

■ 19.0473, 0.3560,
0.3603

■ 19.0473, 0.3560,
0.3603

■ 17.2710, 0.3771,
0.3734

■ 20.9827, 0.3372,
0.3474

■ 15.6466, 0.4005,
0.3861

■ 23.0789, 0.3205,
0.3351

■ 14.1704, 0.4258,
0.3979

■ 25.3408, 0.3059,
0.3235

■ 12.8372, 0.4523,
0.4075

■ 27.7724, 0.2932,
0.3127

■ 11.6417, 0.4788,
0.4140

■ 30.3773, 0.2820,
0.3027

■ 10.5779, 0.5039,
0.4162

■ 33.1593, 0.2723,
0.2936

■ 9.6383, 0.5263,
0.4136

■ 36.1219, 0.2637,
0.2852

■ 9.2232, 0.5370,
0.4118

■ 39.2685, 0.2562,
0.2775

■ 42.6023, 0.2496,
0.2704

Harmonies

Analogous

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



19.0473, 0.3584, 0.3433



19.0473, 0.3560, 0.3603



19.0473, 0.3417, 0.3697

Triad

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



19.0473, 0.3560, 0.3603



19.0473, 0.2784, 0.3332



19.0473, 0.3041, 0.2937

Complementary

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



19.0473, 0.3560, 0.3603



17.4762, 0.2743, 0.2955

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.



19.0473, 0.2835, 0.2902



19.0473, 0.3560, 0.3603



19.0473, 0.2691, 0.3119

Square

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



19.0473, 0.3560, 0.3603



19.0473, 0.2968, 0.3541



19.0473, 0.2710, 0.2965



19.0473, 0.3278, 0.3057

Rectangle

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



19.0473, 0.3560, 0.3603



19.0473, 0.3277, 0.3697



19.0473, 0.2710, 0.2965



19.0473, 0.2966, 0.2915

Sweetspot

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



19.0482, 0.3560, 0.3603



40.1708, 0.3253, 0.3387



15.7817, 0.3377, 0.2969



9.1836, 0.3275, 0.3404



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.0482, 0.3560, 0.3603



32.3275, 0.3673, 0.3675



23.2631, 0.3494, 0.3884



5.0447, 0.3268, 0.3399



8.5308, 0.5365, 0.4122



0.0441, 0.4767, 0.4597

Inverse Universe

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



17.4762, 0.2743, 0.2955



29.0302, 0.2656, 0.2871



13.9355, 0.2714, 0.2618



4.9008, 0.2992, 0.3179



5.3990, 0.1785, 0.1627



0.0333, 0.1997, 0.2389

Previews

White Background



This preview shows how the Yxy color 19.0473, 0.3560, 0.3603 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 19.0473, 0.3560, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

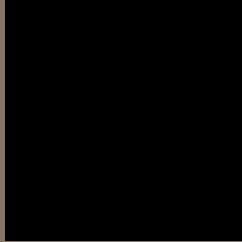
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0473, 0.3560, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 19.0473, 0.3560, 0.3603.



This preview shows how white text looks on a background with the Yxy color 19.0473, 0.3560, 0.3603.

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

19.0473, 0.3560, 0.3603

Protanopia

19.1461, 0.3429, 0.3650

Deuteranopia

18.9193, 0.3623, 0.3562



Tritanopia

19.1200, 0.3316, 0.3131

Trichromacy



Original Color

19.0473, 0.3560, 0.3603

Protanomaly

19.1381, 0.3473, 0.3628

Deuteranomaly

19.0654, 0.3605, 0.3581

Tritanomaly

19.0701, 0.3402, 0.3291

Monochromacy



Original Color

19.0473, 0.3560, 0.3603

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.0835, 0.3274, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0473, 0.3560, 0.3603 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(135, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(135, 118, 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(135, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 118, 101) }
```

Border

The CSS property to change the border of an element to Yxy 19.0473, 0.3560, 0.3603 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(135, 118, 101) }
```

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

```
.border{ border-color:rgb(135, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(135, 118,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0473, 0.3560, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 118, 101) }
```

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

```
.background{ background-color: rgb(135,  
118, 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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