

Converting Colors

$Y_{xy}(11.0521, 0.3841, 0.4151)$

Have a look what the booklet for
Yxy(11.0521, 0.3841, 0.4151)
contains.

Yxy(10.9978, 0.3851, 0.4143)	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(10.9978, 0.3851, 0.4143)

Conversions

Conversions Part 1

Format	Color
Hex	675D38
RGB	103, 93, 56
RGB Percent	40%, 36%, 22%
CMY	0.5960, 0.6353, 0.7804
CMYK	0.00, 0.10, 0.46, 0.60
HSL	47°, 30%, 31%
HSV	47°, 46%, 40%
XYZ	10.2227, 10.9978, 5.3250
YIQ	91.7720, 17.8370, -9.3870

Conversions

Conversions Part 2

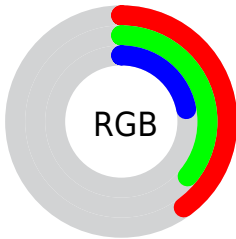
Format	Color
RYB	69, 103, 56
Decimal	6774072
CIELab	39.58, -1.77, 22.68
CIELCh	40, 22.752, 94.470
Yxy	10.9978, 0.3851, 0.4143
Android (android.graphics.Color)	4284964152 (0xFF675D38)
YUV	91.7720, -17.6356, 9.8470
Hunter-Lab	33.1629, -3.0114, 13.6938

Details

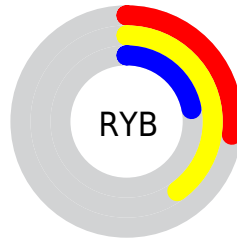
The Yxy color **10.9978, 0.3851, 0.4143** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7180, 0.2376, 0.2254**, and the grayscale version is **10.6861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6130, 0.3664, 0.3916**, and **2.8718, 0.4225, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **10.5280, 0.4019, 0.4314**, and if you desaturate by 10%, it is **11.5004, 0.3682, 0.3958**.

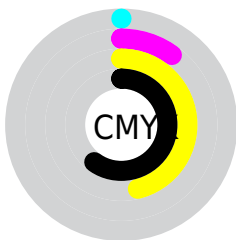
Distribution



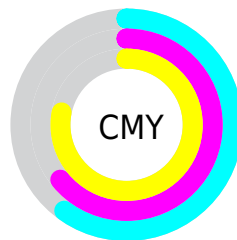
- Red (40%)
- Green (36%)
- Blue (22%)



- Red (27%)
- Yellow (40%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (46%)
- Black (60%)



- Cyan (60%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9978, 0.3851, 0.4143 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 10.9978, 0.3851, 0.4143 by changing the saturation by 10% instead.


 10.9978, 0.3851,
0.4143


 10.9978, 0.3851,
0.4143


197.6525, 0.3412,
0.3621


 6.0654, 0.3992,
0.4316


 27.6561, 0.3669,
0.3924


 2.8849, 0.4199,
0.4574


 40.1507, 0.3608,
0.3851

 1.0719, 0.4752,
0.5248

 55.9349, 0.3559,
0.3793

 0.0000, 0.0000,
0.0000

 75.3930, 0.3519,
0.3746

 98.9094, 0.3485,
0.3706

 126.8685, 0.3457,

0.3673

159.6547, 0.3433,
0.3645

■ 10.9978, 0.3851,
0.4143

■ 10.9978, 0.3851,
0.4143

■ 10.5280, 0.4019,
0.4314

■ 11.5004, 0.3682,
0.3958

■ 10.0882, 0.4178,
0.4463

■ 12.0356, 0.3516,
0.3768

■ 9.6772, 0.4324,
0.4582

■ 12.6050, 0.3357,
0.3577

■ 9.2935, 0.4449,
0.4663

■ 13.2097, 0.3207,
0.3391

■ 8.9331, 0.4554,
0.4709

■ 13.8508, 0.3068,
0.3214

■ 8.7799, 0.4601,
0.4729

■ 14.5294, 0.2940,
0.3046

■ 15.2462, 0.2824,
0.2890

■ 16.0022, 0.2718,
0.2745

■ 16.7984, 0.2623,
0.2611

Harmonies

Analogous

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



10.9978, 0.4123, 0.3846



10.9978, 0.3851, 0.4143



10.9978, 0.3395, 0.4216

Triad

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



10.9978, 0.3851, 0.4143



10.9978, 0.2232, 0.3000



10.9978, 0.3310, 0.2721

Complementary

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



10.9978, 0.3851, 0.4143



5.7180, 0.2376, 0.2254

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.



10.9978, 0.2799, 0.2517



10.9978, 0.3851, 0.4143



10.9978, 0.2214, 0.2640

Square

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



10.9978, 0.3851, 0.4143



10.9978, 0.2470, 0.3502



10.9978, 0.2410, 0.2481



10.9978, 0.3806, 0.3052

Rectangle

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



10.9978, 0.3851, 0.4143



10.9978, 0.3055, 0.4091



10.9978, 0.2410, 0.2481



10.9978, 0.3133, 0.2636

Sweetspot

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



10.9983, 0.3851, 0.4143



22.6945, 0.3338, 0.3554



6.1080, 0.3990, 0.3047



5.4949, 0.3363, 0.3585



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.9983, 0.3851, 0.4143



18.7679, 0.4035, 0.4330



12.1466, 0.3550, 0.4422



3.1741, 0.3255, 0.3451



10.9927, 0.4607, 0.4724



56.0326, 0.4636, 0.4701

Inverse Universe

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



5.7180, 0.2376, 0.2254



7.9986, 0.2178, 0.1952



5.0846, 0.2545, 0.2041



2.8495, 0.2999, 0.3123



1.9036, 0.1578, 0.0879



8.8459, 0.1555, 0.0796

Previews

White Background



This preview shows how the Yxy color 10.9978, 0.3851, 0.4143 looks on a white 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

Black Background



This preview shows how the Yxy color 10.9978, 0.3851, 0.4143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

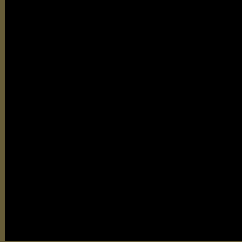
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9978, 0.3851, 0.4143

Background



This preview shows how black text looks on a background with the Yxy color 10.9978, 0.3851, 0.4143.

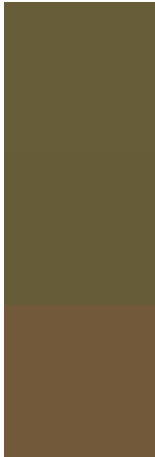


This preview shows how white text looks on a background with the Yxy color 10.9978, 0.3851, 0.4143.

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

10.9978, 0.3851, 0.4143

Protanopia

10.9390, 0.3833, 0.4149

Deuteranopia

10.9509, 0.4048, 0.3986



Tritanopia

10.9315, 0.3332, 0.3135

Trichromacy



Original Color

10.9978, 0.3851, 0.4143

Protanomaly

10.9390, 0.3833, 0.4149

Deuteranomaly

10.8589, 0.3969, 0.4027

Tritanomaly

10.9706, 0.3533, 0.3497

Monochromacy



Original Color

10.9978, 0.3851, 0.4143

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7056, 0.3388, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9978, 0.3851, 0.4143 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(103, 93, 56)` looks like.

```
.text, #text, p{  
    color:rgb(103, 93, 56)  
}
```

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(103, 93, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 93, 56) }
```

Border

The CSS property to change the border of an element to Yxy 10.9978, 0.3851, 0.4143 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(103, 93, 56) }
```

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

```
.border{ border-color:rgb(103, 93, 56) }
```

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

Here you see how a box with a 4 pixel rgb(103, 93, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 93, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 93, 56);  
box-shadow:4px 4px 4px 4px rgb(103, 93,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9978, 0.3851, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 93, 56) }
```

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

```
.background{ background-color: rgb(103, 93,  
56) }
```

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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