

Converting Colors

$Y_{xy}(10.2095, 0.3831, 0.3991)$

Have a look what the booklet for
Yxy(10.2095, 0.3831, 0.3991)
contains.

Yxy(10.2853, 0.3825, 0.3997)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2853, 0.3825, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	66593B
RGB	102, 89, 59
RGB Percent	40%, 35%, 23%
CMY	0.5999, 0.6510, 0.7686
CMYK	0.00, 0.13, 0.42, 0.60
HSL	42°, 27%, 32%
HSV	42°, 42%, 40%
XYZ	9.8427, 10.2853, 5.6045
YIQ	89.4670, 17.3780, -6.5740

Conversions

Conversions Part 2

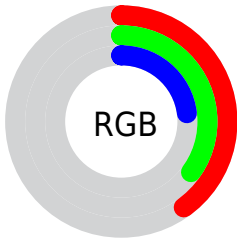
Format	Color
R_{YB}	78, 102, 59
Decimal	6707515
CIE Lab	38.35, 0.53, 19.31
CIE LCh	38, 19.316, 88.420
Yxy	10.2853, 0.3825, 0.3997
Android (android.graphics.Color)	4284897595 (0xFF66593B)
YUV	89.4670, -15.0202, 10.9914
Hunter-Lab	32.0707, -1.3410, 12.0882

Details

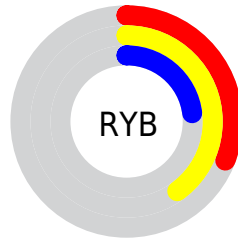
The Yxy color **10.2853, 0.3825, 0.3997** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5272, 0.2457, 0.2459**, and the grayscale version is **10.1309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3968, 0.3639, 0.3810**, and **2.6230, 0.4191, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **9.6869, 0.4014, 0.4158**, and if you desaturate by 10%, it is **10.9269, 0.3642, 0.3828**.

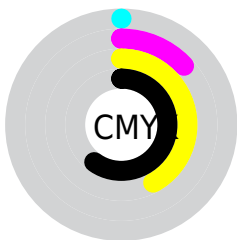
Distribution



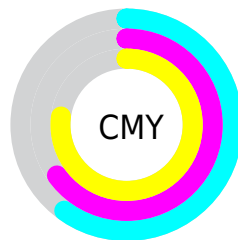
- Red (40%)
- Green (35%)
- Blue (23%)



- Red (31%)
- Yellow (40%)
- Blue (23%)



- Cyan (0%)
- Magenta (13%)
- Yellow (42%)
- Black (60%)





- Cyan (60%)
- Magenta (65%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2853, 0.3825, 0.3997 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 10.2853, 0.3825, 0.3997 by changing the saturation by 10% instead.

 10.2853, 0.3825,
0.3997


 10.2853, 0.3825,
0.3997


192.6964, 0.3394,
0.3562


 5.5885, 0.3972,
0.4144

 26.3308, 0.3643,
0.3813

 2.5965, 0.4191,
0.4362


 38.4482, 0.3582,
0.3753

 0.9249, 0.4911,
0.5089

 53.8081, 0.3535,
0.3704

 0.0000, 0.0000,
0.0000

 72.7946, 0.3496,
0.3665

 95.7924, 0.3464,
0.3633

 123.1856, 0.3437,

0.3605

155.3588, 0.3414,
0.3582

■ 10.2853, 0.3825,
0.3997

■ 10.2853, 0.3825,
0.3997

■ 9.6869, 0.4014,
0.4158

■ 10.9269, 0.3642,
0.3828

■ 9.1288, 0.4203,
0.4301

■ 11.6117, 0.3468,
0.3656

■ 8.6098, 0.4384,
0.4418

■ 12.3415, 0.3306,
0.3487

■ 8.1283, 0.4551,
0.4499

■ 13.1173, 0.3158,
0.3324

■ 7.6819, 0.4695,
0.4540

■ 13.9405, 0.3022,
0.3170

■ 7.3497, 0.4808,
0.4564

■ 14.8120, 0.2900,
0.3026

■ 15.7330, 0.2790,
0.2891

■ 16.7045, 0.2691,
0.2767

■ 17.7274, 0.2602,
0.2653

Harmonies

Analogous

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



10.2853, 0.4013, 0.3719



10.2853, 0.3825, 0.3997



10.2853, 0.3454, 0.4098

Triad

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



10.2853, 0.3825, 0.3997



10.2853, 0.2370, 0.3125



10.2853, 0.3196, 0.2743

Complementary

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



10.2853, 0.3825, 0.3997



6.5272, 0.2457, 0.2459

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.



10.2853, 0.2763, 0.2590



10.2853, 0.3825, 0.3997



10.2853, 0.2312, 0.2776

Square

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



10.2853, 0.3825, 0.3997



10.2853, 0.2618, 0.3566



10.2853, 0.2449, 0.2595



10.2853, 0.3638, 0.3019

Rectangle

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



10.2853, 0.3825, 0.3997



10.2853, 0.3159, 0.4023



10.2853, 0.2449, 0.2595



10.2853, 0.3044, 0.2676

Sweetspot

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



10.2858, 0.3825, 0.3997



21.4779, 0.3325, 0.3507



6.4301, 0.3793, 0.2962



5.0161, 0.3351, 0.3535



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.2858, 0.3825, 0.3997



16.9526, 0.4020, 0.4162



12.2083, 0.3589, 0.4308



3.1353, 0.3257, 0.3433



9.3677, 0.4818, 0.4556



47.2694, 0.4865, 0.4520

Inverse Universe

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



6.5272, 0.2457, 0.2459



9.3724, 0.2281, 0.2211



5.2773, 0.2527, 0.2127



2.8862, 0.2999, 0.3143



2.4185, 0.1632, 0.1074



11.2338, 0.1605, 0.0976

Previews

White Background



This preview shows how the Yxy color 10.2853, 0.3825, 0.3997 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 10.2853, 0.3825, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

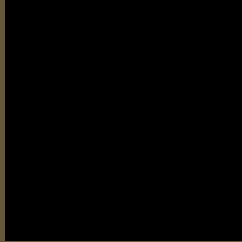
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2853, 0.3825, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 10.2853, 0.3825, 0.3997.

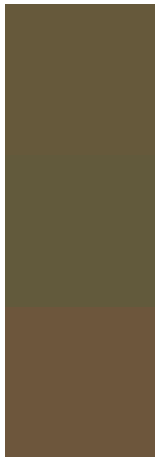


This preview shows how white text looks on a background with the Yxy color 10.2853, 0.3825, 0.3997.

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

10.2853, 0.3825, 0.3997

Protanopia

10.2352, 0.3730, 0.4015

Deuteranopia

10.2330, 0.3961, 0.3879



Tritanopia

10.2730, 0.3355, 0.3131

Trichromacy



Original Color

10.2853, 0.3825, 0.3997

Protanomaly

10.2912, 0.3748, 0.4010

Deuteranomaly

10.2068, 0.3898, 0.3913

Tritanomaly

10.1778, 0.3534, 0.3431

Monochromacy



Original Color

10.2853, 0.3825, 0.3997

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0745, 0.3381, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2853, 0.3825, 0.3997 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(102, 89, 59)` looks like.

```
.text, #text, p{  
    color:rgb(102, 89, 59)  
}
```

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(102, 89, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 89, 59) }
```

Border

The CSS property to change the border of an element to Yxy 10.2853, 0.3825, 0.3997 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(102, 89, 59) }
```

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

```
.border{ border-color:rgb(102, 89, 59) }
```

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

Here you see how a box with a 4 pixel rgb(102, 89, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 89, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 89, 59);  
box-shadow:4px 4px 4px 4px rgb(102, 89,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2853, 0.3825, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 89, 59) }
```

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

```
.background{ background-color: rgb(102, 89,  
59) }
```

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