

Converting Colors

$Y_{xy}(10.4298, 0.3776, 0.4040)$

Have a look what the booklet for
Yxy(10.4298, 0.3776, 0.4040)
contains.

Yxy(10.5073, 0.3772, 0.4050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.5073, 0.3772, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	645B3B
RGB	100, 91, 59
RGB Percent	39%, 36%, 23%
CMY	0.6078, 0.6431, 0.7686
CMYK	0.00, 0.09, 0.41, 0.61
HSL	47°, 26%, 31%
HSV	47°, 41%, 39%
XYZ	9.7861, 10.5073, 5.6506
YIQ	90.0430, 15.6360, -8.0440

Conversions

Conversions Part 2

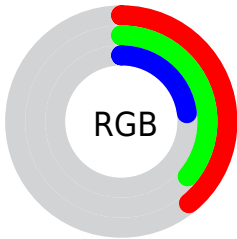
Format	Color
R_{YB}	71, 100, 59
Decimal	6576955
CIE _{Lab}	38.74, -1.59, 19.78
CIE _{LCh}	39, 19.839, 94.603
Yxy	10.5073, 0.3772, 0.4050
Android (android.graphics.Color)	4284767035 (0xFF645B3B)
YUV	90.0430, -15.3042, 8.7323
Hunter-Lab	32.4150, -2.8371, 12.3550

Details

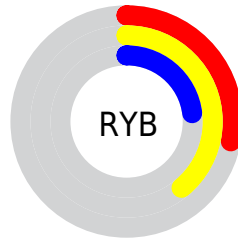
The Yxy color **10.5073, 0.3772, 0.4050** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9844, 0.2464, 0.2390**, and the grayscale version is **10.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7867, 0.3607, 0.3845**, and **2.7215, 0.4081, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **10.0440, 0.3942, 0.4227**, and if you desaturate by 10%, it is **11.0024, 0.3603, 0.3864**.

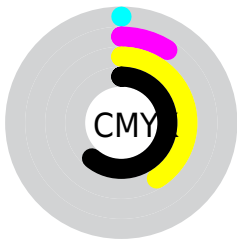
Distribution



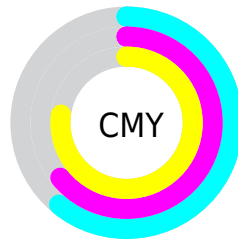
- Red (39%)
- Green (36%)
- Blue (23%)



- Red (28%)
- Yellow (39%)
- Blue (23%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (61%)




- Cyan (61%)
- Magenta (64%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5073, 0.3772, 0.4050 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 10.5073, 0.3772, 0.4050 by changing the saturation by 10% instead.


 10.5073, 0.3772,
0.4050


 10.5073, 0.3772,
0.4050


 194.2554, 0.3377,
0.3580


 5.7366, 0.3904,
0.4211

 26.7454, 0.3606,
0.3851


 2.6856, 0.4097,
0.4451

 38.9816, 0.3551,
0.3785

 0.9699, 0.4760,
0.5240

 54.4751, 0.3507,
0.3733

 0.0000, 0.0000,
0.0000

 73.6102, 0.3471,
0.3691

 96.7714, 0.3442,
0.3656

 124.3431, 0.3417,

0.3627

156.7096, 0.3395,
0.3602

■ 10.5073, 0.3772,
0.4050

■ 10.5073, 0.3772,
0.4050

■ 10.0440, 0.3942,
0.4227

■ 11.0024, 0.3603,
0.3864

■ 9.6099, 0.4107,
0.4386

■ 11.5291, 0.3440,
0.3674

■ 9.2040, 0.4262,
0.4519

■ 12.0888, 0.3285,
0.3488

■ 8.8249, 0.4400,
0.4618

■ 12.6826, 0.3141,
0.3307

■ 8.4708, 0.4515,
0.4678

■ 13.3114, 0.3008,
0.3136

■ 8.1658, 0.4614,
0.4719

■ 13.9761, 0.2886,
0.2976

■ 14.6777, 0.2775,
0.2826

■ 15.4168, 0.2674,
0.2688

■ 16.1944, 0.2584,
0.2561

Harmonies

Analogous

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



10.5073, 0.4010, 0.3794



10.5073, 0.3772, 0.4050



10.5073, 0.3368, 0.4104

Triad

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



10.5073, 0.3772, 0.4050



10.5073, 0.2327, 0.3036



10.5073, 0.3294, 0.2782

Complementary

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



10.5073, 0.3772, 0.4050



5.9844, 0.2464, 0.2390

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.



10.5073, 0.2839, 0.2597



10.5073, 0.3772, 0.4050



10.5073, 0.2310, 0.2713

Square

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



10.5073, 0.3772, 0.4050



10.5073, 0.2542, 0.3477



10.5073, 0.2489, 0.2566



10.5073, 0.3729, 0.3082

Rectangle

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



10.5073, 0.3772, 0.4050



10.5073, 0.3066, 0.3991



10.5073, 0.2489, 0.2566



10.5073, 0.3137, 0.2705

Sweetspot

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



10.5078, 0.3772, 0.4050



21.0570, 0.3306, 0.3513



6.2621, 0.3845, 0.3055



5.1608, 0.3318, 0.3528



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.



10.5078, 0.3772, 0.4050



17.6530, 0.3932, 0.4217



11.5571, 0.3522, 0.4296



3.1713, 0.3255, 0.3450



10.8677, 0.4621, 0.4713



55.3550, 0.4652, 0.4688

Inverse Universe

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



5.9844, 0.2464, 0.2390



8.5654, 0.2295, 0.2138



5.3483, 0.2608, 0.2184



2.8521, 0.2999, 0.3125



1.9351, 0.1581, 0.0892



8.9867, 0.1558, 0.0807

Previews

White Background



This preview shows how the Yxy color 10.5073, 0.3772, 0.4050 looks on a white background.

Color Contrast Check

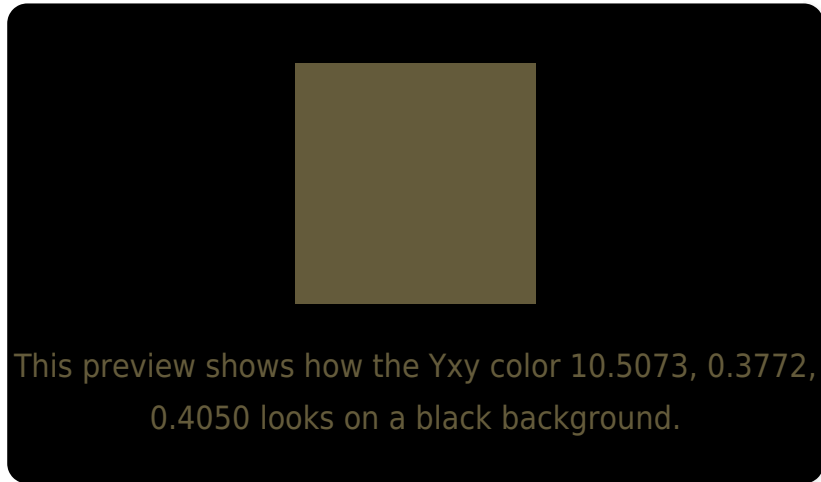
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

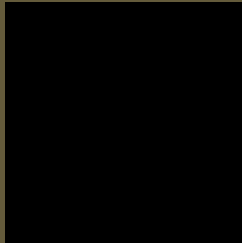
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5073, 0.3772, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 10.5073, 0.3772, 0.4050.

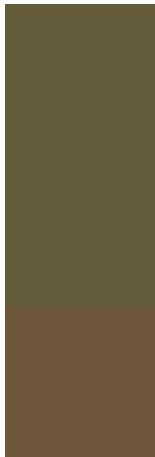


This preview shows how white text looks on a background with the Yxy color 10.5073, 0.3772, 0.4050.

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

10.5073, 0.3772, 0.4050

Protanopia

10.4506, 0.3755, 0.4055

Deuteranopia

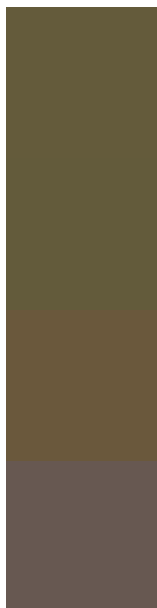
10.4576, 0.3969, 0.3896



Tritanopia

10.5676, 0.3300, 0.3131

Trichromacy



Original Color

10.5073, 0.3772, 0.4050

Protanomaly

10.4506, 0.3755, 0.4055

Deuteranomaly

10.3699, 0.3889, 0.3935

Tritanomaly

10.4571, 0.3491, 0.3454

Monochromacy



Original Color

10.5073, 0.3772, 0.4050

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2565, 0.3362, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5073, 0.3772, 0.4050 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(100, 91, 59)` looks like.

```
.text, #text, p{  
    color:rgb(100, 91, 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(100, 91, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 91, 59) }
```

Border

The CSS property to change the border of an element to Yxy 10.5073, 0.3772, 0.4050 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(100, 91, 59) }
```

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

```
.border{ border-color:rgb(100, 91, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 91, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 91, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 91, 59);  
box-shadow:4px 4px 4px 4px rgb(100, 91,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5073, 0.3772, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 91, 59) }
```

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

```
.background{ background-color: rgb(100, 91,  
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