

Converting Colors

$Y_{xy}(10.2428, 0.3954, 0.3548)$

Have a look what the booklet for
Yxy(10.2428, 0.3954, 0.3548)
contains.

Yxy(10.2587, 0.3967, 0.3551)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2587, 0.3967, 0.3551)

Conversions

Conversions Part 1

Format	Color
Hex	755246
RGB	117, 82, 70
RGB Percent	46%, 32%, 27%
CMY	0.5411, 0.6784, 0.7255
CMYK	0.00, 0.30, 0.40, 0.54
HSL	15°, 25%, 37%
HSV	15°, 40%, 46%
XYZ	11.4605, 10.2587, 7.1704
YIQ	91.0970, 24.7120, 3.6880

Conversions

Conversions Part 2

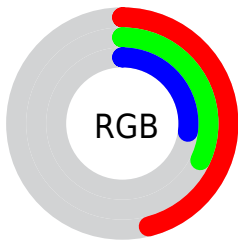
Format	Color
R_{YB}	117, 86, 70
Decimal	7688774
CIE _{Lab}	38.30, 12.95, 12.86
CIE _{LCh}	38, 18.252, 44.796
Yxy	10.2587, 0.3967, 0.3551
Android (android.graphics.Color)	4285878854 (0xFF755246)
YUV	91.0970, -10.4008, 22.7169
Hunter-Lab	32.0292, 7.8187, 9.1471

Details

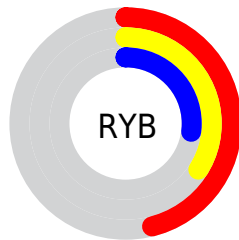
The Yxy color **10.2587, 0.3967, 0.3551** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6942, 0.2557, 0.3008**, and the grayscale version is **10.5053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3566, 0.3736, 0.3505**, and **2.5956, 0.4445, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **8.8935, 0.4271, 0.3614**, and if you desaturate by 10%, it is **11.8207, 0.3704, 0.3484**.

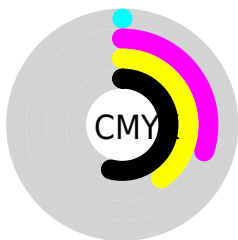
Distribution



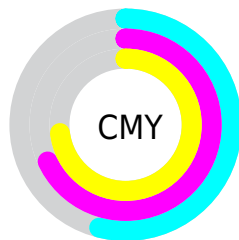
- Red (46%)
- Green (32%)
- Blue (27%)



- Red (46%)
- Yellow (34%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (40%)
- Black (54%)





- Cyan (54%)
- Magenta (68%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2587, 0.3967, 0.3551 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 10.2587, 0.3967, 0.3551 by changing the saturation by 10% instead.


 10.2587, 0.3967,
0.3551


 10.2587, 0.3967,
0.3551


192.5086, 0.3439,
0.3402

 5.5708, 0.4158,
0.3593

 26.2810, 0.3739,
0.3493

 2.5859, 0.4455,
0.3644

 38.3841, 0.3665,
0.3472

 0.9196, 0.5484,
0.4067

 53.7279, 0.3608,
0.3455

 0.0000, 1.0000,
0.0000

 72.6965, 0.3561,
0.3441

 0.0000, 0.0000,
0.0000

 95.6746, 0.3523,
0.3429

123.0463, 0.3490,

0.3418

155.1962, 0.3463,
0.3409

■ 10.2587, 0.3967,
0.3551

■ 10.2587, 0.3967,
0.3551

■ 8.8935, 0.4271,
0.3614

■ 11.8207, 0.3704,
0.3484

■ 7.7157, 0.4612,
0.3666

■ 13.5855, 0.3479,
0.3417

■ 6.7173, 0.4980,
0.3698

■ 15.5607, 0.3290,
0.3352

■ 5.8892, 0.5351,
0.3701

■ 17.7529, 0.3130,
0.3291

■ 5.2213, 0.5693,
0.3666

■ 20.1686, 0.2995,
0.3235

■ 4.7043, 0.5999,
0.3619

■ 22.8138, 0.2882,
0.3183

■ 25.6946, 0.2785,
0.3136

■ 28.8166, 0.2703,
0.3093

■ 32.1853, 0.2633,
0.3053

Harmonies

Analogous

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



10.2587, 0.3793, 0.3209



10.2587, 0.3967, 0.3551



10.2587, 0.3896, 0.3857

Triad

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



10.2587, 0.3967, 0.3551



10.2587, 0.2803, 0.3729



10.2587, 0.2629, 0.2607

Complementary

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



10.2587, 0.3967, 0.3551



12.6942, 0.2557, 0.3008

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.



10.2587, 0.2402, 0.2689



10.2587, 0.3967, 0.3551



10.2587, 0.2495, 0.3321

Square

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



10.2587, 0.3967, 0.3551



10.2587, 0.3211, 0.4002



10.2587, 0.2354, 0.2938



10.2587, 0.2998, 0.2687

Rectangle

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



10.2587, 0.3967, 0.3551



10.2587, 0.3726, 0.3998



10.2587, 0.2354, 0.2938



10.2587, 0.2535, 0.2615

Sweetspot

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



10.2592, 0.3967, 0.3551



27.0707, 0.3327, 0.3365



9.1887, 0.3373, 0.2563



6.1457, 0.3344, 0.3371



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.2592, 0.3967, 0.3551



16.1361, 0.4241, 0.3608



14.3819, 0.3781, 0.4022



3.8388, 0.3270, 0.3345



5.1588, 0.6007, 0.3612



23.9452, 0.6096, 0.3542

Inverse Universe

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



12.6942, 0.2557, 0.3008



21.1092, 0.2443, 0.2933



8.5844, 0.2471, 0.2428



4.0047, 0.2995, 0.3235



8.9266, 0.2020, 0.2473



42.0732, 0.2007, 0.2424

Previews

White Background



This preview shows how the Yxy color 10.2587, 0.3967, 0.3551 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 10.2587, 0.3967, 0.3551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

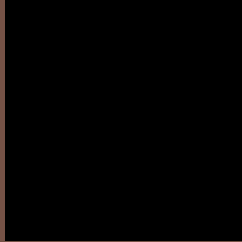
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2587, 0.3967, 0.3551

Background



This preview shows how black text looks on a background with the Yxy color 10.2587, 0.3967, 0.3551.

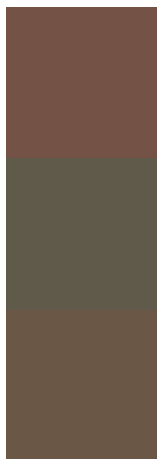


This preview shows how white text looks on a background with the Yxy color 10.2587, 0.3967, 0.3551.

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

10.2587, 0.3967, 0.3551

Protanopia

10.2935, 0.3475, 0.3681

Deuteranopia

10.3102, 0.3749, 0.3708



Tritanopia

10.2608, 0.3706, 0.3164

Trichromacy



Original Color

10.2587, 0.3967, 0.3551

Protanomaly

10.2405, 0.3647, 0.3619

Deuteranomaly

10.2417, 0.3836, 0.3653

Tritanomaly

10.3156, 0.3810, 0.3313

Monochromacy



Original Color

10.2587, 0.3967, 0.3551

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3133, 0.3407, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2587, 0.3967, 0.3551 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(117, 82, 70)` looks like.

```
.text, #text, p{  
    color:rgb(117, 82, 70)  
}
```

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(117, 82, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 82, 70) }
```

Border

The CSS property to change the border of an element to Yxy 10.2587, 0.3967, 0.3551 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(117, 82, 70) }
```

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

```
.border{ border-color:rgb(117, 82, 70) }
```

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

Here you see how a box with a 4 pixel rgb(117, 82, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 82, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 82, 70);  
box-shadow:4px 4px 4px 4px rgb(117, 82,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2587, 0.3967, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 82, 70) }
```

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

```
.background{ background-color: rgb(117, 82,  
70) }
```

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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