

Converting Colors

$Y_{xy}(12.5255, 0.3881, 0.3467)$

Have a look what the booklet for
Yxy(12.5255, 0.3881, 0.3467)
contains.

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Color

Yxy(12.5107, 0.3885, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	805A52
RGB	128, 90, 82
RGB Percent	50%, 35%, 32%
CMY	0.4980, 0.6471, 0.6784
CMYK	0.00, 0.30, 0.36, 0.50
HSL	10°, 22%, 41%
HSV	10°, 36%, 50%
XYZ	14.0841, 12.5107, 9.6576
YIQ	100.4500, 25.2160, 5.5680

Conversions

Conversions Part 2

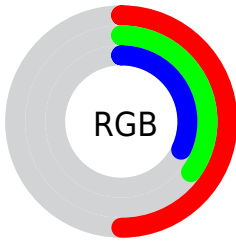
Format	Color
R_{YB}	128, 92, 82
Decimal	8411730
CIE Lab	42.02, 14.51, 10.83
CIE LCh	42, 18.113, 36.741
Yxy	12.5107, 0.3885, 0.3451
Android (android.graphics.Color)	4286601810 (0xFF805A52)
YUV	100.4500, -9.0959, 24.1613
Hunter-Lab	35.3705, 9.1780, 8.5706

Details

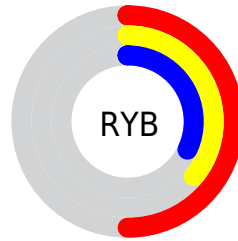
The Yxy color **12.5107, 0.3885, 0.3451** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.7968, 0.2620, 0.3121**, and the grayscale version is **12.8846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3399, 0.3694, 0.3420**, and **3.5127, 0.4291, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **10.6745, 0.4196, 0.3496**, and if you desaturate by 10%, it is **14.6386, 0.3622, 0.3404**.

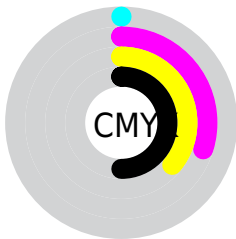
Distribution



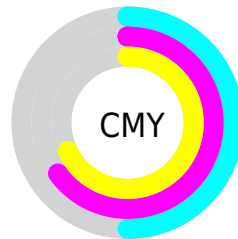
- Red (50%)
- Green (35%)
- Blue (32%)



- Red (50%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (30%)
- Yellow (36%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5107, 0.3885, 0.3451 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 12.5107, 0.3885, 0.3451 by changing the saturation by 10% instead.


 12.5107, 0.3885,
0.3451


 12.5107, 0.3885,
0.3451


207.7576, 0.3420,
0.3364


 7.0925, 0.4045,
0.3473


 30.4219, 0.3688,
0.3418


 3.5200, 0.4288,
0.3497

 43.6837, 0.3624,
0.3406

 1.4089, 0.4727,
0.3538

 60.3287, 0.3572,
0.3396

 0.2232, 0.7173,
0.2827

 80.7415, 0.3531,
0.3388

 0.0000, 0.0000,
0.0000

 105.3064, 0.3496,
0.3380

134.4078, 0.3467,

0.3374

168.4300, 0.3442,
0.3369

■ 12.5107, 0.3885,
0.3451

■ 12.5107, 0.3885,
0.3451

■ 10.6745, 0.4196,
0.3496

■ 14.6386, 0.3622,
0.3404

■ 9.1156, 0.4554,
0.3534

■ 17.0685, 0.3402,
0.3358

■ 7.8208, 0.4949,
0.3558


■ 19.8120, 0.3220,
0.3315

■ 6.7753, 0.5359,
0.3562


■ 22.8800, 0.3069,
0.3274

■ 5.9628, 0.5742,
0.3538

■ 26.2825, 0.2944,
0.3237

 5.3634, 0.6060,
0.3489

 30.0294, 0.2839,
0.3203

 5.1725, 0.6179,
0.3476

 34.1298, 0.2751,
0.3172

 38.5929, 0.2677,
0.3144

 43.4272, 0.2614,
0.3118

Harmonies

Analogous

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



12.5107, 0.3668, 0.3133



12.5107, 0.3885, 0.3451



12.5107, 0.3881, 0.3752

Triad

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



12.5107, 0.3885, 0.3451



12.5107, 0.2923, 0.3781



12.5107, 0.2591, 0.2657

Complementary

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



12.5107, 0.3885, 0.3451



16.7968, 0.2620, 0.3121

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.



12.5107, 0.2421, 0.2779



12.5107, 0.3885, 0.3451



12.5107, 0.2602, 0.3425

Square

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



12.5107, 0.3885, 0.3451



12.5107, 0.3312, 0.3980



12.5107, 0.2424, 0.3052



12.5107, 0.2906, 0.2692

Rectangle

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



12.5107, 0.3885, 0.3451



12.5107, 0.3758, 0.3905



12.5107, 0.2424, 0.3052



12.5107, 0.2516, 0.2680

Sweetspot

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



12.5113, 0.3885, 0.3451



32.2330, 0.3313, 0.3337



11.9922, 0.3283, 0.2567



7.4224, 0.3333, 0.3342



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.5113, 0.3885, 0.3451



19.3783, 0.4131, 0.3487



16.9405, 0.3735, 0.3882



4.4556, 0.3274, 0.3328



5.1286, 0.6179, 0.3476



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7968, 0.2620, 0.3121



28.0593, 0.2520, 0.3077



11.9676, 0.2553, 0.2614



4.7640, 0.2993, 0.3252



11.7279, 0.2096, 0.2745



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.5107, 0.3885, 0.3451 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 12.5107, 0.3885, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

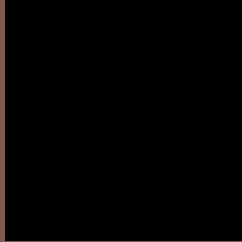
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5107, 0.3885, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 12.5107, 0.3885, 0.3451.

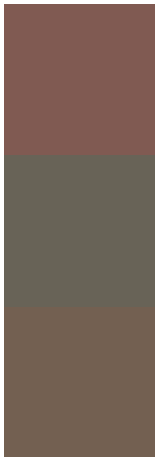


This preview shows how white text looks on a background with the Yxy color 12.5107, 0.3885, 0.3451.

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

12.5107, 0.3885, 0.3451

Protanopia

12.5549, 0.3372, 0.3561

Deuteranopia

12.6047, 0.3651, 0.3613



Tritanopia

12.4728, 0.3694, 0.3154

Trichromacy



Original Color

12.5107, 0.3885, 0.3451

Protanomaly

12.5323, 0.3557, 0.3529

Deuteranomaly

12.5926, 0.3744, 0.3563

Tritanomaly

12.5501, 0.3773, 0.3272

Monochromacy



Original Color

12.5107, 0.3885, 0.3451

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4711, 0.3388, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5107, 0.3885, 0.3451 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(128, 90, 82)` looks like.

```
.text, #text, p{  
  color:rgb(128, 90, 82)  
}
```

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(128, 90, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 90, 82) }
```

Border

The CSS property to change the border of an element to Yxy 12.5107, 0.3885, 0.3451 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(128, 90, 82) }
```

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

```
.border{ border-color:rgb(128, 90, 82) }
```

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

Here you see how a box with a 4 pixel rgb(128, 90, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 90, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 90, 82);  
box-shadow:4px 4px 4px 4px rgb(128, 90,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5107, 0.3885, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 90, 82) }
```

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

```
.background{ background-color: rgb(128, 90,  
82) }
```

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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