

Converting Colors

$Y_{xy}(12.6797, 0.3858, 0.3907)$

Have a look what the booklet for
Yxy(12.6797, 0.3858, 0.3907)
contains.

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Color

Yxy(12.6797, 0.3858, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	746144
RGB	116, 97, 68
RGB Percent	45%, 38%, 27%
CMY	0.5451, 0.6196, 0.7334
CMYK	0.00, 0.16, 0.41, 0.55
HSL	36°, 26%, 36%
HSV	36°, 41%, 45%
XYZ	12.5207, 12.6797, 7.2534
YIQ	99.3750, 20.6330, -4.9910

Conversions

Conversions Part 2

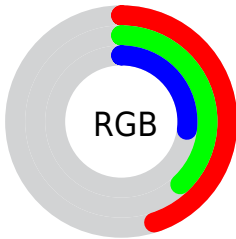
Format	Color
R_{YB}	99, 116, 68
Decimal	7627076
CIE Lab	42.28, 3.22, 19.40
CIE LCh	42, 19.666, 80.585
Yxy	12.6797, 0.3858, 0.3907
Android (android.graphics.Color)	4285817156 (0xFF746144)
YUV	99.3750, -15.4679, 14.5801
Hunter-Lab	35.6086, 0.4491, 12.8487

Details

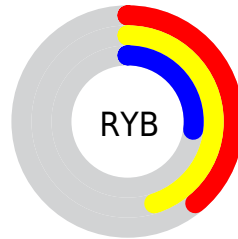
The Yxy color **12.6797, 0.3858, 0.3907** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3037, 0.2477, 0.2578**, and the grayscale version is **12.6130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8758, 0.3677, 0.3771**, and **3.5919, 0.4203, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **11.7284, 0.4072, 0.4051**, and if you desaturate by 10%, it is **13.7093, 0.3656, 0.3755**.

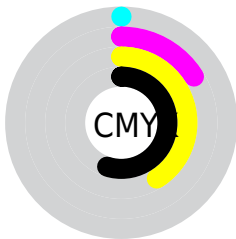
Distribution



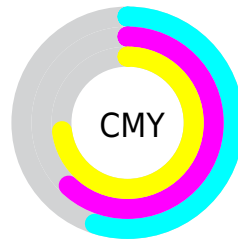
- Red (45%)
- Green (38%)
- Blue (27%)



- Red (39%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (16%)
- Yellow (41%)
- Black (55%)




- Cyan (55%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6797, 0.3858, 0.3907 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 12.6797, 0.3858, 0.3907 by changing the saturation by 10% instead.

 12.6797, 0.3858,
0.3907


 12.6797, 0.3858,
0.3907


208.8546, 0.3417,
0.3541


 7.2084, 0.4003,
0.4022


 30.7271, 0.3674,
0.3757


 3.5927, 0.4213,
0.4183

 44.0720, 0.3613,
0.3706

 1.4485, 0.4864,
0.4733

 60.8102, 0.3564,
0.3665

 0.2520, 0.5579,
0.4421

 81.3261, 0.3524,
0.3632

 0.0000, 0.0000,
0.0000

 106.0041, 0.3490,
0.3603

135.2286, 0.3462,

0.3579

169.3839, 0.3438,
0.3559

■ 12.6797, 0.3858,
0.3907

■ 12.6797, 0.3858,
0.3907

■ 11.7284, 0.4072,
0.4051

■ 13.7093, 0.3656,
0.3755

■ 10.8512, 0.4293,
0.4179

■ 14.8178, 0.3469,
0.3602

■ 10.0460, 0.4513,
0.4280

■ 16.0080, 0.3300,
0.3452

■ 9.3098, 0.4721,
0.4345

■ 17.2819, 0.3147,
0.3309

■ 8.6393, 0.4906,
0.4365

■ 18.6416, 0.3011,
0.3175

■ 8.1061, 0.5060,
0.4364

■ 20.0890, 0.2889,
0.3049

■ 21.6259, 0.2781,
0.2933

■ 23.2541, 0.2686,
0.2825

■ 24.9753, 0.2601,
0.2727

Harmonies

Analogous

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



12.6797, 0.3976, 0.3616



12.6797, 0.3858, 0.3907



12.6797, 0.3543, 0.4053

Triad

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



12.6797, 0.3858, 0.3907



12.6797, 0.2451, 0.3241



12.6797, 0.3080, 0.2717

Complementary

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



12.6797, 0.3858, 0.3907



9.3037, 0.2477, 0.2578

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.



12.6797, 0.2689, 0.2608



12.6797, 0.3858, 0.3907



12.6797, 0.2346, 0.2876

Square

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



12.6797, 0.3858, 0.3907



12.6797, 0.2731, 0.3657



12.6797, 0.2430, 0.2657



12.6797, 0.3510, 0.2954

Rectangle

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



12.6797, 0.3858, 0.3907



12.6797, 0.3270, 0.4025



12.6797, 0.2430, 0.2657



12.6797, 0.2939, 0.2664

Sweetspot

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



12.6803, 0.3858, 0.3907



27.9404, 0.3315, 0.3466



8.5368, 0.3708, 0.2878



6.6166, 0.3330, 0.3480



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.



12.6803, 0.3858, 0.3907



20.6353, 0.4069, 0.4049



16.3021, 0.3645, 0.4284



4.0346, 0.3262, 0.3418



9.0594, 0.5066, 0.4359



42.4411, 0.5126, 0.4312

Inverse Universe

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



9.3037, 0.2477, 0.2578



13.8234, 0.2316, 0.2370



6.8013, 0.2471, 0.2114



3.8057, 0.2995, 0.3159



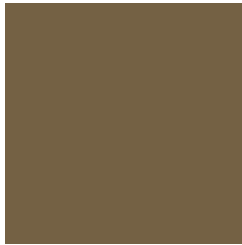
3.5649, 0.1698, 0.1312



15.7992, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 12.6797, 0.3858, 0.3907 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 12.6797, 0.3858, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

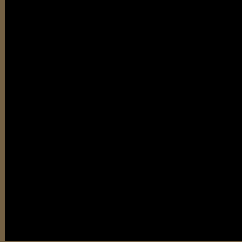
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6797, 0.3858, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 12.6797, 0.3858, 0.3907.



This preview shows how white text looks on a background with the Yxy color 12.6797, 0.3858, 0.3907.

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

12.6797, 0.3858, 0.3907

Protanopia

12.7322, 0.3691, 0.3977

Deuteranopia

12.7050, 0.3915, 0.3875



Tritanopia

12.6707, 0.3433, 0.3147

Trichromacy



Original Color

12.6797, 0.3858, 0.3907

Protanomaly

12.7329, 0.3746, 0.3945

Deuteranomaly

12.6346, 0.3898, 0.3879

Tritanomaly

12.5615, 0.3601, 0.3418

Monochromacy



Original Color

12.6797, 0.3858, 0.3907

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4432, 0.3377, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6797, 0.3858, 0.3907 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(116, 97, 68)` looks like.

```
.text, #text, p{  
    color:rgb(116, 97, 68)  
}
```

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(116, 97, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 97, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.6797, 0.3858, 0.3907 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(116, 97, 68) }
```

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

```
.border{ border-color:rgb(116, 97, 68) }
```

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

Here you see how a box with a 4 pixel rgb(116, 97, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 97, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 97, 68);  
box-shadow:4px 4px 4px 4px rgb(116, 97,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6797, 0.3858, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 97, 68) }
```

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

```
.background{ background-color: rgb(116, 97,  
68) }
```

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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