

Converting Colors

$Y_{xy}(12.6170, 0.4059, 0.4663)$

Have a look what the booklet for
Yxy(12.6170, 0.4059, 0.4663)
contains.

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Color

Yxy(12.6883, 0.4052, 0.4674)

Conversions

Conversions Part 1

Format	Color
Hex	6A6623
RGB	106, 102, 35
RGB Percent	42%, 40%, 14%
CMY	0.5843, 0.6000, 0.8628
CMYK	0.00, 0.04, 0.67, 0.58
HSL	57°, 50%, 28%
HSV	57°, 67%, 42%
XYZ	10.9998, 12.6883, 3.4585
YIQ	95.5580, 23.8910, -19.9890

Conversions

Conversions Part 2

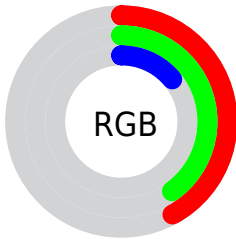
Format	Color
RYB	39, 106, 35
Decimal	6972963
CIELab	42.29, -7.59, 37.16
CIELCh	42, 37.928, 101.542
Yxy	12.6883, 0.4052, 0.4674
Android (android.graphics.Color)	4285163043 (0xFF6A6623)
YUV	95.5580, -29.8551, 9.1576
Hunter-Lab	35.6206, -7.2147, 19.1779

Details

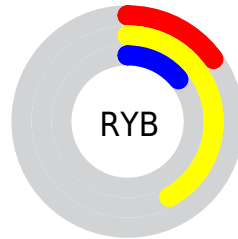
The Yxy color **12.6883, 0.4052, 0.4674** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.8494, 0.1929, 0.1367**, and the grayscale version is **11.6544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7779, 0.3853, 0.4352**, and **3.6022, 0.4247, 0.5010** is the 20% darker color. If you saturate the color by 10%, you get **12.5178, 0.4147, 0.4804**, and if you desaturate by 10%, it is **12.8799, 0.3936, 0.4510**.

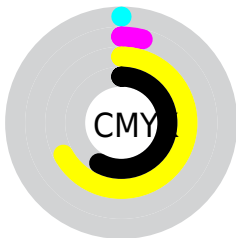
Distribution



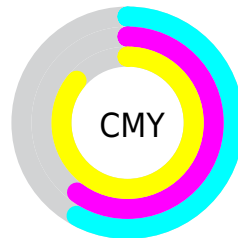
- Red (42%)
- Green (40%)
- Blue (14%)



- Red (15%)
- Yellow (42%)
- Blue (14%)



- Cyan (0%)
- Magenta (4%)
- Yellow (67%)
- Black (58%)





- Cyan (58%)
- Magenta (60%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6883, 0.4052, 0.4674 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 12.6883, 0.4052, 0.4674 by changing the saturation by 10% instead.


 12.6883, 0.4052,
0.4674


 12.6883, 0.4052,
0.4674


 208.9103, 0.3531,
0.3851


 7.2143, 0.4178,
0.4914


 30.7427, 0.3856,
0.4344


 3.5965, 0.4461,
0.5405

 44.0918, 0.3783,
0.4228


 1.4505, 0.4394,
0.5606

 60.8347, 0.3723,
0.4135

 0.2535, 0.1801,
0.8199

 81.3558, 0.3672,
0.4058

 0.0000, 0.0000,
0.0000

 106.0395, 0.3629,
0.3993

 135.2702, 0.3592,

0.3939

169.4324, 0.3559,
0.3892

12.6883, 0.4052,
0.4674

12.6883, 0.4052,
0.4674

12.5178, 0.4147,
0.4804

12.8799, 0.3936,
0.4510

12.3648, 0.4220,
0.4896

13.0924, 0.3805,
0.4319

12.2250, 0.4274,
0.4957

13.3277, 0.3664,
0.4109

12.1834, 0.4290,
0.4976

13.5871, 0.3517,
0.3888

13.8719, 0.3369,
0.3663

■ 14.1831, 0.3225,
0.3441

■ 14.5217, 0.3086,
0.3226

■ 14.8888, 0.2956,
0.3022

■ 15.2852, 0.2834,
0.2831

Harmonies

Analogous

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



12.6883, 0.4591, 0.4199



12.6883, 0.4052, 0.4674



12.6883, 0.3306, 0.4774

Triad

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



12.6883, 0.4052, 0.4674



12.6883, 0.1750, 0.2638



12.6883, 0.3597, 0.2533

Complementary

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



12.6883, 0.4052, 0.4674



2.8494, 0.1929, 0.1367

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.



12.6883, 0.2774, 0.2192



12.6883, 0.4052, 0.4674



12.6883, 0.1805, 0.2199

Square

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



12.6883, 0.4052, 0.4674



12.6883, 0.1998, 0.3398



12.6883, 0.2148, 0.2067



12.6883, 0.4359, 0.3032

Rectangle

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



12.6883, 0.4052, 0.4674



12.6883, 0.2792, 0.4503



12.6883, 0.2148, 0.2067



12.6883, 0.3313, 0.2398

Sweetspot

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



12.6889, 0.4052, 0.4674



24.1556, 0.3421, 0.3743



4.4178, 0.5013, 0.3198



5.6347, 0.3451, 0.3789



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.6889, 0.4052, 0.4674



21.8190, 0.4188, 0.4857



11.9378, 0.3525, 0.5022



3.5557, 0.3253, 0.3485



15.0993, 0.4291, 0.4975



76.5057, 0.4297, 0.4970

Inverse Universe

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



2.8494, 0.1929, 0.1367



3.1976, 0.1694, 0.0968



3.3925, 0.2380, 0.1486



3.0501, 0.2997, 0.3088



1.4354, 0.1517, 0.0660



6.8902, 0.1507, 0.0625

Previews

White Background



This preview shows how the Yxy color 12.6883, 0.4052, 0.4674 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 12.6883, 0.4052, 0.4674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

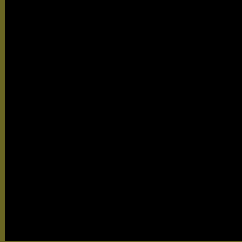
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6883, 0.4052, 0.4674

Background



This preview shows how black text looks on a background with the Yxy color 12.6883, 0.4052, 0.4674.



This preview shows how white text looks on a background with the Yxy color 12.6883, 0.4052, 0.4674.

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

12.6883, 0.4052, 0.4674

Protanopia

12.6746, 0.4184, 0.4600

Deuteranopia

12.6780, 0.4430, 0.4360



Tritanopia

12.6084, 0.3273, 0.3121

Trichromacy



Original Color

12.6883, 0.4052, 0.4674

Protanomaly

12.7379, 0.4138, 0.4635

Deuteranomaly

12.7143, 0.4288, 0.4484

Tritanomaly

12.6004, 0.3605, 0.3731

Monochromacy



Original Color

12.6883, 0.4052, 0.4674

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9391, 0.3502, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6883, 0.4052, 0.4674 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(106, 102, 35)` looks like.

```
.text, #text, p{  
    color:rgb(106, 102, 35)  
}
```

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(106, 102, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 102, 35) }
```

Border

The CSS property to change the border of an element to Yxy 12.6883, 0.4052, 0.4674 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(106, 102, 35) }
```

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

```
.border{ border-color:rgb(106, 102, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 102, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 102, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 102, 35);  
box-shadow:4px 4px 4px 4px rgb(106, 102,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6883, 0.4052, 0.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 102, 35) }
```

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

```
.background{ background-color: rgb(106,  
102, 35) }
```

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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