

Converting Colors

$Y_{xy}(15.0336, 0.3904, 0.4488)$

Have a look what the booklet for
Yxy(15.0336, 0.3904, 0.4488)
contains.

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Color

Yxy(15.1186, 0.3900, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	716F33
RGB	113, 111, 51
RGB Percent	44%, 44%, 20%
CMY	0.5569, 0.5647, 0.8001
CMYK	0.00, 0.02, 0.55, 0.56
HSL	58°, 38%, 32%
HSV	58°, 55%, 44%
XYZ	13.0912, 15.1186, 5.3573
YIQ	104.7580, 20.4520, -18.2360

Conversions

Conversions Part 2

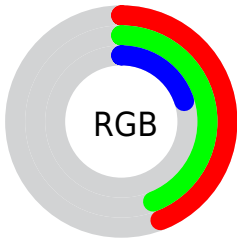
Format	Color
RYB	53, 113, 51
Decimal	7434035
CIELab	45.80, -8.15, 33.26
CIELCh	46, 34.242, 103.764
Yxy	15.1186, 0.3900, 0.4504
Android (android.graphics.Color)	4285624115 (0xFF716F33)
YUV	104.7580, -26.5027, 7.2282
Hunter-Lab	38.8826, -7.9466, 19.0488

Details

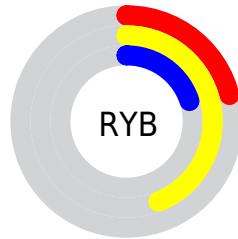
The Yxy color **15.1186, 0.3900, 0.4504** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4385, 0.2141, 0.1692**, and the grayscale version is **14.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8485, 0.3738, 0.4216**, and **4.7301, 0.4138, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **14.9525, 0.4013, 0.4677**, and if you desaturate by 10%, it is **15.3106, 0.3771, 0.4305**.

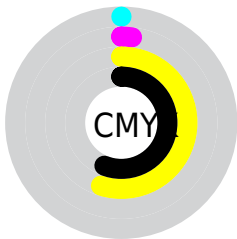
Distribution



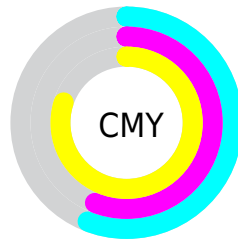
- Red (44%)
- Green (44%)
- Blue (20%)



- Red (21%)
- Yellow (44%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)
- Black (56%)





- Cyan (56%)
- Magenta (56%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1186, 0.3900, 0.4504 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 15.1186, 0.3900, 0.4504 by changing the saturation by 10% instead.

 15.1186, 0.3900,
0.4504


 15.1186, 0.3900,
0.4504


 224.0830, 0.3468,
0.3788


 8.9027, 0.4012,
0.4719

 35.0611, 0.3736,
0.4216


 4.6777, 0.4147,
0.5013

 49.5565, 0.3675,
0.4116


 2.0595, 0.4416,
0.5584

 67.5804, 0.3626,
0.4035

 0.6417, 0.3904,
0.6096

 89.5174, 0.3584,
0.3968

 0.0000, 0.0000,
0.0000

 115.7517, 0.3548,
0.3912

 146.6678, 0.3518,

0.3865

182.6501, 0.3491,
0.3824

■ 15.1186, 0.3900,
0.4504

■ 15.1186, 0.3900,
0.4504

■ 14.9525, 0.4013,
0.4677

■ 15.3106, 0.3771,
0.4305

■ 14.8086, 0.4107,
0.4815

■ 15.5281, 0.3631,
0.4087

■ 14.6853, 0.4177,
0.4916

■ 15.7732, 0.3485,
0.3858

■ 14.5792, 0.4225,
0.4980

■ 16.0473, 0.3339,
0.3627

■ 14.5268, 0.4248,
0.5009

■ 16.3516, 0.3195,
0.3399

■ 16.6875, 0.3058,
0.3179

■ 17.0559, 0.2928,
0.2971

■ 17.4579, 0.2807,
0.2776

■ 17.8947, 0.2695,
0.2596

Harmonies

Analogous

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



15.1186, 0.4373, 0.4138



15.1186, 0.3900, 0.4504



15.1186, 0.3250, 0.4521

Triad

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



15.1186, 0.3900, 0.4504



15.1186, 0.1919, 0.2704



15.1186, 0.3587, 0.2662

Complementary

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



15.1186, 0.3900, 0.4504



4.4385, 0.2141, 0.1692

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.



15.1186, 0.2878, 0.2345



15.1186, 0.3900, 0.4504



15.1186, 0.1984, 0.2330

Square

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



15.1186, 0.3900, 0.4504



15.1186, 0.2127, 0.3339



15.1186, 0.2312, 0.2222



15.1186, 0.4214, 0.3115

Rectangle

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



15.1186, 0.3900, 0.4504



15.1186, 0.2806, 0.4263



15.1186, 0.2312, 0.2222



15.1186, 0.3346, 0.2538

Sweetspot

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



15.1193, 0.3900, 0.4504



28.6591, 0.3361, 0.3662



6.1335, 0.4576, 0.3250



6.6100, 0.3384, 0.3698



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



15.1193, 0.3900, 0.4504



26.6994, 0.4043, 0.4720



13.9353, 0.3459, 0.4743



3.8988, 0.3254, 0.3492



16.4743, 0.4248, 0.5009



81.8140, 0.4251, 0.5007

Inverse Universe

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



4.4385, 0.2141, 0.1692



5.4048, 0.1897, 0.1288



5.2597, 0.2577, 0.1816



3.3161, 0.2996, 0.3080



1.4359, 0.1509, 0.0633



6.9093, 0.1504, 0.0614

Previews

White Background



This preview shows how the Yxy color 15.1186, 0.3900, 0.4504 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 15.1186, 0.3900, 0.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

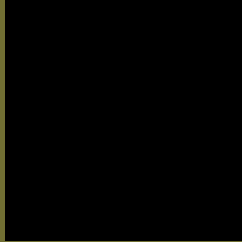
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1186, 0.3900, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 15.1186, 0.3900, 0.4504.



This preview shows how white text looks on a background with the Yxy color 15.1186, 0.3900, 0.4504.

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

15.1186, 0.3900, 0.4504

Protanopia

15.1606, 0.4036, 0.4437

Deuteranopia

15.0259, 0.4279, 0.4196



Tritanopia

15.0148, 0.3220, 0.3112

Trichromacy



Original Color

15.1186, 0.3900, 0.4504

Protanomaly

15.1641, 0.3980, 0.4475

Deuteranomaly

14.9916, 0.4137, 0.4314

Tritanomaly

15.0355, 0.3497, 0.3642

Monochromacy



Original Color

15.1186, 0.3900, 0.4504

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3594, 0.3432, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1186, 0.3900, 0.4504 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(113, 111, 51)` looks like.

```
.text, #text, p{  
    color:rgb(113, 111, 51)  
}
```

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(113, 111, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 111, 51) }
```

Border

The CSS property to change the border of an element to Yxy 15.1186, 0.3900, 0.4504 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(113, 111, 51) }
```

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

```
.border{ border-color:rgb(113, 111, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 111, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 111, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 111, 51);  
box-shadow:4px 4px 4px 4px rgb(113, 111,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1186, 0.3900, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 111, 51) }
```

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

```
.background{ background-color: rgb(113,  
111, 51) }
```

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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