

Converting Colors

$Y_{xy}(15.8702, 0.3730, 0.4140)$

Have a look what the booklet for
Yxy(15.8702, 0.3730, 0.4140)
contains.

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Color

Yxy(15.8124, 0.3732, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	757046
RGB	117, 112, 70
RGB Percent	46%, 44%, 27%
CMY	0.5411, 0.5608, 0.7254
CMYK	0.00, 0.04, 0.40, 0.54
HSL	54°, 25%, 37%
HSV	54°, 40%, 46%
XYZ	14.2369, 15.8124, 8.0988
YIQ	108.7070, 16.4620, -12.0020

Conversions

Conversions Part 2

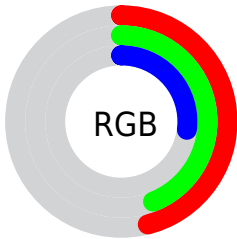
Format	Color
RYB	76, 117, 70
Decimal	7696454
CIELab	46.73, -4.84, 24.04
CIELCh	47, 24.522, 101.377
Yxy	15.8124, 0.3732, 0.4145
Android (android.graphics.Color)	4285886534 (0xFF757046)
YUV	108.7070, -19.0826, 7.2730
Hunter-Lab	39.7648, -5.6806, 15.7598

Details

The Yxy color **15.8124, 0.3732, 0.4145** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.6228, 0.2446, 0.2259**, and the grayscale version is **15.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4289, 0.3593, 0.3945**, and **4.9659, 0.3991, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **15.4062, 0.3882, 0.4344**, and if you desaturate by 10%, it is **16.2527, 0.3578, 0.3933**.

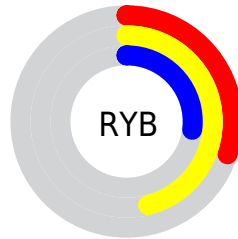
Distribution



Red (46%)

Green (44%)

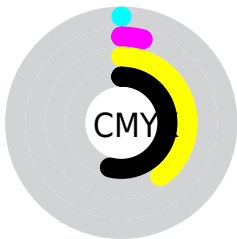
Blue (27%)



Red (30%)

Yellow (46%)

Blue (27%)

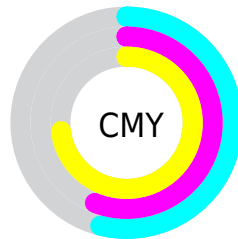


Cyan (0%)

Magenta (4%)

Yellow (40%)

Black (54%)



Cyan (54%)


Magenta (56%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8124, 0.3732, 0.4145 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 15.8124, 0.3732, 0.4145 by changing the saturation by 10% instead.


 15.8124, 0.3732,
0.4145


 15.8124, 0.3732,
0.4145


 228.2322, 0.3385,
0.3641


 9.3915, 0.3834,
0.4302


 36.2722, 0.3594,
0.3940


 4.9974, 0.3970,
0.4524

 51.0799, 0.3546,
0.3870

 2.2457, 0.4268,
0.4986

 69.4520, 0.3507,
0.3813

 0.7448, 0.4419,
0.5581

 91.7729, 0.3474,
0.3766

 0.0000, 0.0000,
0.0000

 118.4270, 0.3446,
0.3727

149.7986, 0.3423,

0.3694

186.2722, 0.3402,
0.3666

■ 15.8124, 0.3732,
0.4145

■ 15.8124, 0.3732,
0.4145

■ 15.4062, 0.3882,
0.4344

■ 16.2527, 0.3578,
0.3933

■ 15.0301, 0.4021,
0.4522

■ 16.7264, 0.3423,
0.3717

■ 14.6832, 0.4144,
0.4670

■ 17.2358, 0.3273,
0.3502

■ 14.3631, 0.4246,
0.4782

■ 17.7821, 0.3129,
0.3293

■ 14.0676, 0.4323,
0.4853

■ 18.3667, 0.2995,
0.3095

■ 13.7918, 0.4385,
0.4900

■ 18.9908, 0.2870,
0.2908

■ 19.6555, 0.2755,
0.2734

■ 20.3620, 0.2650,
0.2574

■ 21.1112, 0.2555,
0.2428

Harmonies

Analogous

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



15.8124, 0.4041, 0.3903



15.8124, 0.3732, 0.4145



15.8124, 0.3274, 0.4146

Triad

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



15.8124, 0.3732, 0.4145



15.8124, 0.2246, 0.2920



15.8124, 0.3419, 0.2809

Complementary

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



15.8124, 0.3732, 0.4145



7.6228, 0.2446, 0.2259

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.



15.8124, 0.2920, 0.2580



15.8124, 0.3732, 0.4145



15.8124, 0.2277, 0.2616

Square

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



15.8124, 0.3732, 0.4145



15.8124, 0.2428, 0.3378



15.8124, 0.2512, 0.2506



15.8124, 0.3864, 0.3148

Rectangle

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



15.8124, 0.3732, 0.4145



15.8124, 0.2950, 0.3981



15.8124, 0.2512, 0.2506



15.8124, 0.3250, 0.2718

Sweetspot

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



15.8131, 0.3732, 0.4145



30.6587, 0.3305, 0.3548



8.6798, 0.3955, 0.3174



7.0289, 0.3319, 0.3568



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.



15.8131, 0.3732, 0.4145



27.6491, 0.3868, 0.4326



15.8190, 0.3445, 0.4320



4.2028, 0.3256, 0.3478



15.1804, 0.4386, 0.4899



73.2255, 0.4398, 0.4890

Inverse Universe

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



7.6228, 0.2446, 0.2259



10.8653, 0.2270, 0.1979



7.7433, 0.2694, 0.2212



3.6470, 0.2995, 0.3095



1.7040, 0.1530, 0.0708



7.6628, 0.1517, 0.0659

Previews

White Background



This preview shows how the Yxy color 15.8124, 0.3732, 0.4145 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 15.8124, 0.3732, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

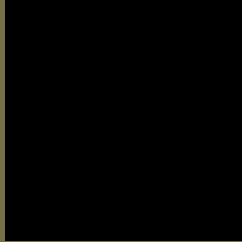
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

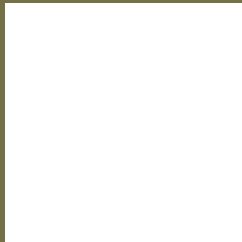
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8124, 0.3732, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 15.8124, 0.3732, 0.4145.



This preview shows how white text looks on a background with the Yxy color 15.8124, 0.3732, 0.4145.

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

15.8124, 0.3732, 0.4145

Protanopia

15.8760, 0.3798, 0.4109

Deuteranopia

15.7495, 0.4004, 0.3950



Tritanopia

15.8908, 0.3231, 0.3135

Trichromacy



Original Color

15.8124, 0.3732, 0.4145

Protanomaly

15.8041, 0.3784, 0.4114

Deuteranomaly

15.6921, 0.3898, 0.4010

Tritanomaly

15.8312, 0.3411, 0.3491

Monochromacy



Original Color

15.8124, 0.3732, 0.4145

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.4228, 0.3347, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8124, 0.3732, 0.4145 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, 112, 70)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 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, 112, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 70) }
```

Border

The CSS property to change the border of an element to Yxy 15.8124, 0.3732, 0.4145 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, 112, 70) }
```

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

```
.border{ border-color:rgb(117, 112, 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, 112, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 70);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8124, 0.3732, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 70) }
```

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

```
.background{ background-color: rgb(117,  
112, 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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