

Converting Colors

$Y_{xy}(15.9374, 0.3266, 0.4406)$

Have a look what the booklet for
Yxy(15.9374, 0.3266, 0.4406)
contains.

Yxy(15.9141, 0.3263, 0.4407) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(15.9141, 0.3263, 0.4407)

Conversions

Conversions Part 1	
Format	Color
Hex	577847
RGB	87, 120, 71
RGB Percent	34%, 47%, 28%
CMY	0.6589, 0.5294, 0.7215
CMYK	0.28, 0.00, 0.41, 0.53
HSL	100°, 26%, 37%
HSV	100°, 41%, 47%
XYZ	11.7830, 15.9141, 8.4139
YIQ	104.5470, -3.9390, -22.2350

Conversions

Conversions Part 2

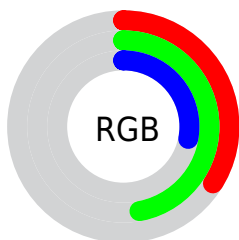
Format	Color
RYB	71, 120, 104
Decimal	5732423
CIELab	46.86, -21.64, 23.19
CIELCh	47, 31.724, 133.019
Yxy	15.9141, 0.3263, 0.4407
Android (android.graphics.Color)	4283922503 (0xFF577847)
YUV	104.5470, -16.5387, -15.3887
Hunter-Lab	39.8925, -17.0885, 15.4197

Details

The Yxy color **15.9141, 0.3263, 0.4407** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.8099, 0.2909, 0.2257**, and the grayscale version is **14.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2644, 0.3247, 0.4114**, and **5.0124, 0.3257, 0.4982** is the 20% darker color. If you saturate the color by 10%, you get **15.4079, 0.3281, 0.4715**, and if you desaturate by 10%, it is **16.4958, 0.3236, 0.4105**.

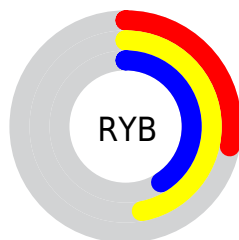
Distribution



Red (34%)

Green (47%)

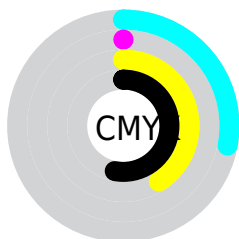
Blue (28%)



Red (28%)

Yellow (47%)

Blue (41%)

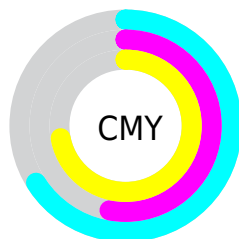


Cyan (28%)

Magenta (0%)

Yellow (41%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9141, 0.3263, 0.4407 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 15.9141, 0.3263, 0.4407 by changing the saturation by 10% instead.


 15.9141, 0.3263,
0.4407


 15.9141, 0.3263,
0.4407

228.8343, 0.3202,
0.3723


 9.4634, 0.3268,
0.4639


 36.4490, 0.3245,
0.4119


 5.0446, 0.3261,
0.4986

 51.3020, 0.3237,
0.4024


 2.2735, 0.3286,
0.5686

 69.7245, 0.3229,
0.3948

 0.7596, 0.2031,
0.7969

 92.1010, 0.3222,
0.3886


 0.0000, 0.0000,
0.0000


 118.8159, 0.3216,
0.3835


150.2534, 0.3211,


0.3792

186.7981, 0.3206,
0.3755


 15.9141, 0.3263,
0.4407


 15.9141, 0.3263,
0.4407


 15.4079, 0.3281,
0.4715


 16.4958, 0.3236,
0.4105


 14.9718, 0.3288,
0.5016


 17.1539, 0.3204,
0.3818


 14.6031, 0.3281,
0.5293


 17.8920, 0.3168,
0.3552

 14.2979, 0.3260,
0.5531

 18.7127, 0.3130,
0.3309


 14.0519, 0.3224,
0.5714

 19.6187, 0.3093,
0.3090

 13.8679, 0.3188,
0.5850

 20.6122, 0.3055,
0.2895

 21.6958, 0.3020,
0.2722

 22.8716, 0.2986,
0.2569

 24.1418, 0.2954,
0.2433

Harmonies

Analogous

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



15.9141, 0.3856, 0.4396



15.9141, 0.3263, 0.4407



15.9141, 0.2664, 0.4003

Triad

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



15.9141, 0.3263, 0.4407



15.9141, 0.2069, 0.2416



15.9141, 0.4105, 0.3123

Complementary

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



15.9141, 0.3263, 0.4407



8.8099, 0.2909, 0.2257

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.



15.9141, 0.3533, 0.2703



15.9141, 0.3263, 0.4407



15.9141, 0.2368, 0.2305

Square

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



15.9141, 0.3263, 0.4407



15.9141, 0.2015, 0.2773



15.9141, 0.2888, 0.2412



15.9141, 0.4383, 0.3605

Rectangle

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



15.9141, 0.3263, 0.4407



15.9141, 0.2342, 0.3578



15.9141, 0.2888, 0.2412



15.9141, 0.3937, 0.2973

Sweetspot

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



15.9148, 0.3263, 0.4407



31.2656, 0.3173, 0.3589



14.2840, 0.3826, 0.3959



7.3783, 0.3177, 0.3615



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.9148, 0.3263, 0.4407



27.1486, 0.3280, 0.4696



15.3417, 0.2990, 0.4273



4.5075, 0.3161, 0.3508



15.1202, 0.3186, 0.5853



71.7094, 0.3153, 0.5879

Inverse Universe

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



8.8099, 0.2909, 0.2257



12.8273, 0.2841, 0.2014



9.6680, 0.3307, 0.2476



4.0152, 0.3090, 0.3076



3.3750, 0.2426, 0.1110



15.6238, 0.2386, 0.1088

Previews

White Background



This preview shows how the Yxy color 15.9141, 0.3263, 0.4407 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 15.9141, 0.3263, 0.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

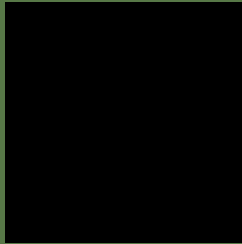
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9141, 0.3263, 0.4407

Background



This preview shows how black text looks on a background with the Yxy color 15.9141, 0.3263, 0.4407.



This preview shows how white text looks on a background with the Yxy color 15.9141, 0.3263, 0.4407.

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

15.9141, 0.3263, 0.4407

Protanopia

15.8391, 0.3835, 0.4166

Deuteranopia

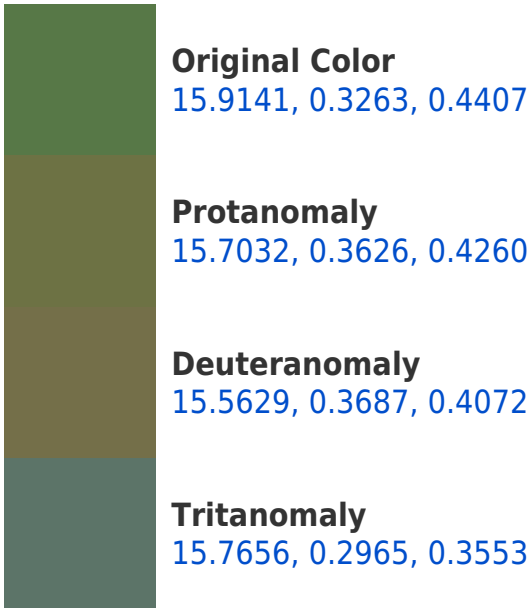
15.7890, 0.3963, 0.3895



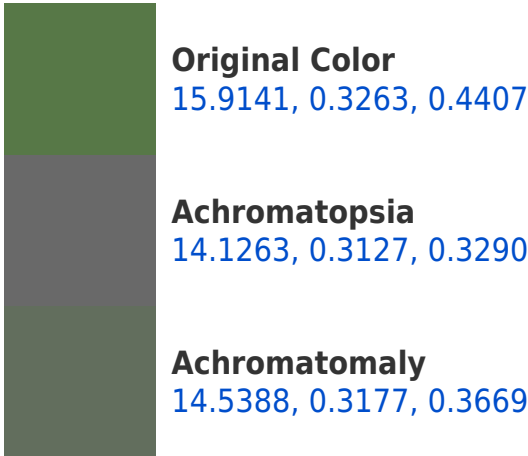
Tritanopia

15.8976, 0.2792, 0.3101

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9141, 0.3263, 0.4407 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(87, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 71)  
}
```

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(87, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 71) }
```

Border

The CSS property to change the border of an element to Yxy 15.9141, 0.3263, 0.4407 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(87, 120, 71) }
```

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

```
.border{ border-color:rgb(87, 120, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 120, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(87, 120,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9141, 0.3263, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 71) }
```

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

```
.background{ background-color: rgb(87, 120,  
71) }
```

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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