

Converting Colors

$Y_{xy}(15.7619, 0.3053, 0.3967)$

Have a look what the booklet for
Yxy(15.7619, 0.3053, 0.3967)
contains.

Yxy(15.8462, 0.3047, 0.3975)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8462, 0.3047, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	557759
RGB	85, 119, 89
RGB Percent	33%, 47%, 35%
CMY	0.6667, 0.5333, 0.6509
CMYK	0.29, 0.00, 0.25, 0.53
HSL	127°, 17%, 40%
HSV	127°, 29%, 47%
XYZ	12.1468, 15.8462, 11.8717
YIQ	105.4140, -10.6340, -16.5380

Conversions

Conversions Part 2

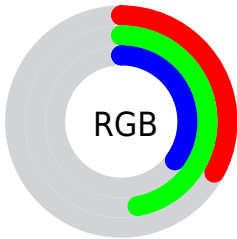
Format	Color
RYB	85, 115, 119
Decimal	5601113
CIELab	46.77, -18.72, 12.68
CIELCh	47, 22.609, 145.883
Yxy	15.8462, 0.3047, 0.3975
Android (android.graphics.Color)	4283791193 (0xFF557759)
YUV	105.4140, -8.0921, -17.9031
Hunter-Lab	39.8073, -15.1954, 10.1831

Details

The Yxy color **15.8462, 0.3047, 0.3975** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6571, 0.3219, 0.2690**, and the grayscale version is **14.2700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2241, 0.3077, 0.3794**, and **4.9668, 0.2990, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **15.1719, 0.3020, 0.4264**, and if you desaturate by 10%, it is **16.6407, 0.3075, 0.3710**.

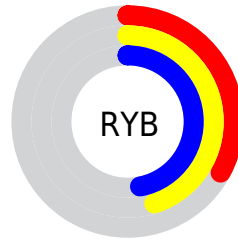
Distribution



Red (33%)

Green (47%)

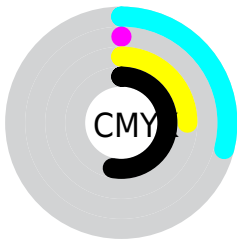
Blue (35%)



Red (33%)

Yellow (45%)

Blue (47%)

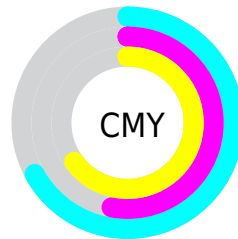


Cyan (29%)

Magenta (0%)

Yellow (25%)

Black (53%)



Cyan (67%)


Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8462, 0.3047, 0.3975 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 15.8462, 0.3047, 0.3975 by changing the saturation by 10% instead.


 15.8462, 0.3047,
0.3975


 15.8462, 0.3047,
0.3975


228.4325, 0.3101,
0.3558


 9.4154, 0.3025,
0.4117

 36.3310, 0.3072,
0.3799


 5.0131, 0.2987,
0.4334

 51.1538, 0.3079,
0.3741

 2.2550, 0.2915,
0.4698

 69.5426, 0.3085,
0.3695

 0.7497, 0.2543,
0.7457

 91.8820, 0.3090,
0.3657

 0.0000, 0.0000,
0.0000

 118.5563, 0.3094,
0.3626

149.9499, 0.3097,

0.3600

186.4471, 0.3099,
0.3577

■ 15.8462, 0.3047,
0.3975

■ 15.8462, 0.3047,
0.3975

■ 15.1719, 0.3020,
0.4264

■ 16.6407, 0.3075,
0.3710

■ 14.6101, 0.2995,
0.4569

■ 17.5586, 0.3104,
0.3472

■ 14.1551, 0.2976,
0.4881

■ 18.6058, 0.3131,
0.3262

■ 13.8002, 0.2962,
0.5183

■ 19.7870, 0.3157,
0.3077

■ 13.5377, 0.2957,
0.5456

■ 21.1067, 0.3182,
0.2916

■ 13.3589, 0.2960,
0.5683

■ 22.5691, 0.3204,
0.2776

■ 13.2410, 0.2965,
0.5853

■ 24.1784, 0.3225,
0.2654

■ 13.2258, 0.2965,
0.5873

■ 25.9385, 0.3244,
0.2549

■ 27.8533, 0.3262,
0.2458

Harmonies

Analogous

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



15.8462, 0.3494, 0.4110



15.8462, 0.3047, 0.3975



15.8462, 0.2640, 0.3607

Triad

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



15.8462, 0.3047, 0.3975



15.8462, 0.2422, 0.2594



15.8462, 0.3940, 0.3335

Complementary

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



15.8462, 0.3047, 0.3975



11.6571, 0.3219, 0.2690

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.



15.8462, 0.3611, 0.2988



15.8462, 0.3047, 0.3975



15.8462, 0.2725, 0.2575

Square

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



15.8462, 0.3047, 0.3975



15.8462, 0.2299, 0.2793



15.8462, 0.3157, 0.2717



15.8462, 0.4029, 0.3695

Rectangle

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



15.8462, 0.3047, 0.3975



15.8462, 0.2443, 0.3305



15.8462, 0.3157, 0.2717



15.8462, 0.3853, 0.3214

Sweetspot

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



15.8469, 0.3047, 0.3975



31.3265, 0.3102, 0.3487



17.4971, 0.3482, 0.3979



7.3743, 0.3098, 0.3515



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.



15.8469, 0.3047, 0.3975



27.5918, 0.3030, 0.4154



16.1654, 0.2865, 0.3578



4.1046, 0.3102, 0.3482



14.0504, 0.2966, 0.5876



68.4001, 0.2980, 0.5929

Inverse Universe

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



11.6571, 0.3219, 0.2690



18.8367, 0.3243, 0.2557



11.3020, 0.3491, 0.3020



3.7509, 0.3153, 0.3105



5.2489, 0.3519, 0.1712



25.4963, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 15.8462, 0.3047, 0.3975 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 15.8462, 0.3047, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

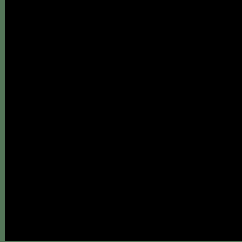
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.8462, 0.3047, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 15.8462, 0.3047, 0.3975.



This preview shows how white text looks on a background with the Yxy color 15.8462, 0.3047, 0.3975.

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

15.8462, 0.3047, 0.3975

Protanopia

15.6593, 0.3566, 0.3802

Deuteranopia

15.6700, 0.3637, 0.3564



Tritanopia

15.7140, 0.2737, 0.3078

Trichromacy



Original Color

15.8462, 0.3047, 0.3975

Protanomaly

15.5463, 0.3368, 0.3870

Deuteranomaly

15.5690, 0.3396, 0.3709

Tritanomaly

15.7623, 0.2853, 0.3398

Monochromacy



Original Color

15.8462, 0.3047, 0.3975

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6494, 0.3102, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8462, 0.3047, 0.3975 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(85, 119, 89)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 89)  
}
```

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(85, 119, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.8462, 0.3047, 0.3975 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(85, 119, 89) }
```

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

```
.border{ border-color:rgb(85, 119, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 89);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8462, 0.3047, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 89) }
```

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

```
.background{ background-color: rgb(85, 119,  
89) }
```

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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