

Converting Colors

$Y_{xy}(15.7963, 0.3092, 0.4179)$

Have a look what the booklet for
Yxy(15.7963, 0.3092, 0.4179)
contains.

Yxy(15.8209, 0.3096, 0.4194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8209, 0.3096, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	527851
RGB	82, 120, 81
RGB Percent	32%, 47%, 32%
CMY	0.6786, 0.5294, 0.6823
CMYK	0.32, 0.00, 0.33, 0.53
HSL	119°, 19%, 39%
HSV	119°, 33%, 47%
XYZ	11.6789, 15.8209, 10.2229
YIQ	104.1920, -10.1290, -20.1850

Conversions

Conversions Part 2

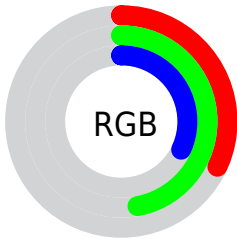
Format	Color
RYB	81, 120, 119
Decimal	5404753
CIELab	46.74, -21.85, 17.27
CIELCh	47, 27.850, 141.678
Yxy	15.8209, 0.3096, 0.4194
Android (android.graphics.Color)	4283594833 (0xFF527851)
YUV	104.1920, -11.4337, -19.4624
Hunter-Lab	39.7755, -17.1956, 12.6045

Details

The Yxy color **15.8209, 0.3096, 0.4194** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.1668, 0.3148, 0.2520**, and the grayscale version is **13.9291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5124, 0.3113, 0.3959**, and **4.9912, 0.3047, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **15.1767, 0.3083, 0.4527**, and if you desaturate by 10%, it is **16.5878, 0.3107, 0.3883**.

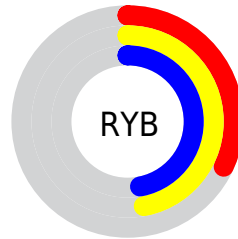
Distribution



Red (32%)

Green (47%)

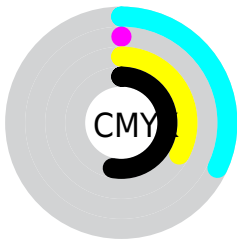
Blue (32%)



Red (32%)

Yellow (47%)

Blue (47%)

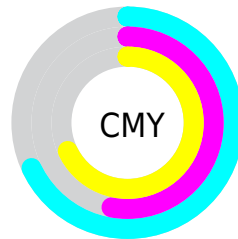


Cyan (32%)

Magenta (0%)

Yellow (33%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8209, 0.3096, 0.4194 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 15.8209, 0.3096, 0.4194 by changing the saturation by 10% instead.


 15.8209, 0.3096,
0.4194

 15.8209, 0.3096,
0.4194


228.2826, 0.3126,
0.3640


 9.3975, 0.3078,
0.4385


 36.2870, 0.3113,
0.3959


 5.0014, 0.3042,
0.4674

 51.0985, 0.3117,
0.3882


 2.2481, 0.2967,
0.5170

 69.4748, 0.3120,
0.3821

 0.7460, 0.1906,
0.8094

 91.8003, 0.3122,
0.3771

 0.0000, 0.0000,
0.0000

 118.4595, 0.3124,
0.3730

149.8366, 0.3125,

0.3695

186.3162, 0.3126,
0.3666

■ 15.8209, 0.3096,
0.4194

■ 15.8209, 0.3096,
0.4194

■ 15.1767, 0.3083,
0.4527

■ 16.5878, 0.3107,
0.3883

■ 14.6469, 0.3068,
0.4867

■ 17.4812, 0.3117,
0.3600

■ 14.2255, 0.3053,
0.5197


■ 18.5071, 0.3125,
0.3348


■ 13.9049, 0.3038,
0.5493

■ 19.6706, 0.3132,
0.3127

■ 13.6768, 0.3024,
0.5732

■ 20.9766, 0.3138,
0.2935


 13.5312, 0.3013,
0.5896

 22.4296, 0.3142,
0.2769

 13.4544, 0.3009,
0.5993

 24.0340, 0.3146,
0.2625

 25.7941, 0.3148,
0.2501

 27.7138, 0.3151,
0.2394

Harmonies

Analogous

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



15.8209, 0.3638, 0.4300



15.8209, 0.3096, 0.4194



15.8209, 0.2588, 0.3759

Triad

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



15.8209, 0.3096, 0.4194



15.8209, 0.2238, 0.2463



15.8209, 0.4090, 0.3271

Complementary

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



15.8209, 0.3096, 0.4194



11.1668, 0.3148, 0.2520

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.



15.8209, 0.3647, 0.2868



15.8209, 0.3096, 0.4194



15.8209, 0.2571, 0.2418

Square

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



15.8209, 0.3096, 0.4194



15.8209, 0.2124, 0.2724



15.8209, 0.3078, 0.2565



15.8209, 0.4242, 0.3707

Rectangle

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



15.8209, 0.3096, 0.4194



15.8209, 0.2335, 0.3380



15.8209, 0.3078, 0.2565



15.8209, 0.3968, 0.3130

Sweetspot

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



15.8216, 0.3096, 0.4194



31.1279, 0.3119, 0.3540



17.7125, 0.3600, 0.4037



7.3305, 0.3118, 0.3570



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.



15.8216, 0.3096, 0.4194



26.9578, 0.3086, 0.4440



16.0895, 0.2893, 0.3762



4.4542, 0.3120, 0.3510



14.6744, 0.3008, 0.5993



69.9439, 0.3004, 0.5997

Inverse Universe

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



11.1668, 0.3148, 0.2520



17.4243, 0.3152, 0.2349



10.8343, 0.3457, 0.2864



4.0727, 0.3133, 0.3079



5.6075, 0.3150, 0.1509



26.6911, 0.3147, 0.1507

Previews

White Background



This preview shows how the Yxy color 15.8209, 0.3096, 0.4194 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 15.8209, 0.3096, 0.4194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

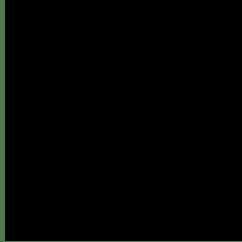
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8209, 0.3096, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 15.8209, 0.3096, 0.4194.



This preview shows how white text looks on a background with the Yxy color 15.8209, 0.3096, 0.4194.

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

15.8209, 0.3096, 0.4194

Protanopia

15.6096, 0.3686, 0.3962

Deuteranopia

15.6940, 0.3779, 0.3716



Tritanopia

15.8904, 0.2728, 0.3099

Trichromacy



Original Color

15.8209, 0.3096, 0.4194

Protanomaly

15.6489, 0.3463, 0.4064

Deuteranomaly

15.5041, 0.3514, 0.3876

Tritanomaly

15.8315, 0.2864, 0.3488

Monochromacy



Original Color

15.8209, 0.3096, 0.4194

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4832, 0.3112, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8209, 0.3096, 0.4194 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(82, 120, 81)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 81)  
}
```

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(82, 120, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 81) }
```

Border

The CSS property to change the border of an element to Yxy 15.8209, 0.3096, 0.4194 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(82, 120, 81) }
```

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

```
.border{ border-color:rgb(82, 120, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 120, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8209, 0.3096, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 81) }
```

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

```
.background{ background-color: rgb(82, 120,  
81) }
```

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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