

Converting Colors

$Y_{xy}(15.6513, 0.2974, 0.3941)$

Have a look what the booklet for
Yxy(15.6513, 0.2974, 0.3941)
contains.

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Color

Yxy(15.6545, 0.2967, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	50775B
RGB	80, 119, 91
RGB Percent	31%, 47%, 36%
CMY	0.6864, 0.5333, 0.6432
CMYK	0.33, 0.00, 0.24, 0.53
HSL	137°, 20%, 39%
HSV	137°, 33%, 47%
XYZ	11.7915, 15.6545, 12.2963
YIQ	104.1470, -14.2560, -16.9760

Conversions

Conversions Part 2

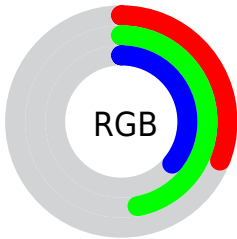
Format	Color
R _Y B	80, 110, 119
Decimal	5273435
CIE Lab	46.52, -20.10, 11.12
CIE LCh	47, 22.971, 151.055
Yxy	15.6545, 0.2967, 0.3939
Android (android.graphics.Color)	4283463515 (0xFF50775B)
YUV	104.1470, -6.4815, -21.1769
Hunter-Lab	39.5658, -16.0428, 9.2699

Details

The Yxy color **15.6545, 0.2967, 0.3939** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.7385, 0.3339, 0.2720**, and the grayscale version is **13.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7947, 0.3009, 0.3769**, and **4.8931, 0.2877, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **15.0433, 0.2925, 0.4180**, and if you desaturate by 10%, it is **16.3756, 0.3014, 0.3717**.

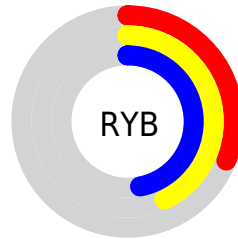
Distribution



Red (31%)

Green (47%)

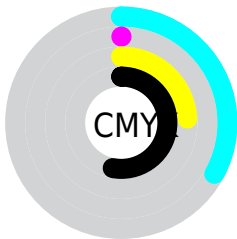
Blue (36%)



Red (31%)

Yellow (43%)

Blue (47%)

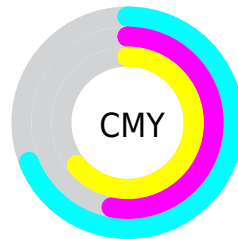


Cyan (33%)

Magenta (0%)

Yellow (24%)

Black (53%)



Cyan (69%)


Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6545, 0.2967, 0.3939 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 15.6545, 0.2967, 0.3939 by changing the saturation by 10% instead.


 15.6545, 0.2967,
0.3939


 15.6545, 0.2967,
0.3939


227.2943, 0.3068,
0.3543


 9.2800, 0.2930,
0.4075


 35.9974, 0.3011,
0.3772


 4.9243, 0.2872,
0.4282

 50.7345, 0.3025,
0.3717


 2.2029, 0.2768,
0.4633

 69.0280, 0.3036,
0.3673

 0.7216, 0.2109,
0.7800

 91.2622, 0.3045,
0.3637

 0.0000, 0.0000,
0.0000

 117.8215, 0.3052,
0.3608

149.0904, 0.3058,

0.3583

185.4532, 0.3064,
0.3561

■ 15.6545, 0.2967,
0.3939

■ 15.6545, 0.2967,
0.3939

■ 15.0433, 0.2925,
0.4180

■ 16.3756, 0.3014,
0.3717

■ 14.5345, 0.2890,
0.4435

■ 17.2096, 0.3063,
0.3516

■ 14.1231, 0.2865,
0.4697


■ 18.1618, 0.3113,
0.3337

■ 13.8023, 0.2852,
0.4958


■ 19.2368, 0.3163,
0.3177

■ 13.5651, 0.2854,
0.5206


■ 20.4386, 0.3211,
0.3037


 13.4024, 0.2870,
0.5429

 21.7714, 0.3257,
0.2914

 13.3088, 0.2882,
0.5573

 23.2389, 0.3301,
0.2807

 24.8448, 0.3342,
0.2713

 26.5926, 0.3380,
0.2631

Harmonies

Analogous

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



15.6545, 0.3424, 0.4123



15.6545, 0.2967, 0.3939



15.6545, 0.2572, 0.3534

Triad

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



15.6545, 0.2967, 0.3939



15.6545, 0.2449, 0.2565



15.6545, 0.3991, 0.3399

Complementary

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



15.6545, 0.2967, 0.3939



10.7385, 0.3339, 0.2720

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.



15.6545, 0.3691, 0.3039



15.6545, 0.2967, 0.3939



15.6545, 0.2786, 0.2576

Square

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



15.6545, 0.2967, 0.3939



15.6545, 0.2291, 0.2735



15.6545, 0.3239, 0.2746



15.6545, 0.4035, 0.3760

Rectangle

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



15.6545, 0.2967, 0.3939



15.6545, 0.2391, 0.3226



15.6545, 0.3239, 0.2746



15.6545, 0.3917, 0.3275

Sweetspot

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



15.6552, 0.2967, 0.3939



31.2267, 0.3076, 0.3469



17.0002, 0.3453, 0.4105



7.3562, 0.3070, 0.3490



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.



15.6552, 0.2967, 0.3939



27.2231, 0.2936, 0.4110



16.0235, 0.2771, 0.3492



4.1136, 0.3082, 0.3446



14.1362, 0.2883, 0.5578



68.7583, 0.2907, 0.5667

Inverse Universe

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



10.7385, 0.3339, 0.2720



17.0341, 0.3399, 0.2594



10.3787, 0.3668, 0.3099



3.7411, 0.3175, 0.3139



4.8688, 0.4044, 0.2001



23.5741, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 15.6545, 0.2967, 0.3939 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 15.6545, 0.2967, 0.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

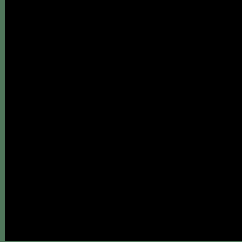
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6545, 0.2967, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 15.6545, 0.2967, 0.3939.



This preview shows how white text looks on a background with the Yxy color 15.6545, 0.2967, 0.3939.

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

15.6545, 0.2967, 0.3939

Protanopia

15.6219, 0.3525, 0.3763

Deuteranopia

15.5518, 0.3579, 0.3527



Tritanopia

15.7429, 0.2695, 0.3097

Trichromacy



Original Color

15.6545, 0.2967, 0.3939

Protanomaly

15.4579, 0.3315, 0.3831

Deuteranomaly

15.4104, 0.3328, 0.3672

Tritanomaly

15.5455, 0.2787, 0.3378

Monochromacy



Original Color

15.6545, 0.2967, 0.3939

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2710, 0.3063, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6545, 0.2967, 0.3939 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(80, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(80, 119, 91)  
}
```

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(80, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 119, 91) }
```

Border

The CSS property to change the border of an element to Yxy 15.6545, 0.2967, 0.3939 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(80, 119, 91) }
```

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

```
.border{ border-color:rgb(80, 119, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 119, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(80, 119,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6545, 0.2967, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 119, 91) }
```

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

```
.background{ background-color: rgb(80, 119,  
91) }
```

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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