

Converting Colors

$Yxy(15.6336, 0.2560, 0.3692)$

Have a look what the booklet for
Yxy(15.6336, 0.2560, 0.3692)
contains.

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Color

Yxy(15.6171, 0.2562, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	327A69
RGB	50, 122, 105
RGB Percent	20%, 48%, 41%
CMY	0.8039, 0.5216, 0.5882
CMYK	0.59, 0.00, 0.14, 0.52
HSL	166°, 42%, 34%
HSV	166°, 59%, 48%
XYZ	10.8255, 15.6171, 15.8115
YIQ	98.5340, -37.4550, -20.5510

Conversions

Conversions Part 2

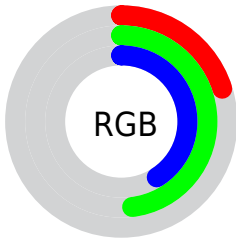
Format	Color
RYB	50, 91, 122
Decimal	3308137
CIELab	46.47, -26.89, 2.58
CIElCh	46, 27.016, 174.520
Yxy	15.6171, 0.2562, 0.3696
Android (android.graphics.Color)	4281498217 (0xFF327A69)
YUV	98.5340, 3.1877, -42.5643
Hunter-Lab	39.5185, -20.2600, 3.9408

Details

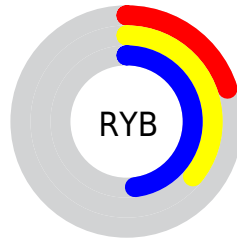
The Yxy color **15.6171, 0.2562, 0.3696** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.8250, 0.4408, 0.2955**, and the grayscale version is **12.3543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0033, 0.2703, 0.3600**, and **5.0706, 0.2414, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **15.2896, 0.2510, 0.3778**, and if you desaturate by 10%, it is **16.0305, 0.2631, 0.3616**.

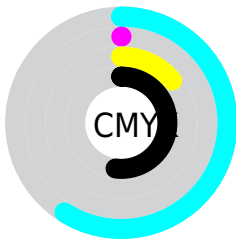
Distribution



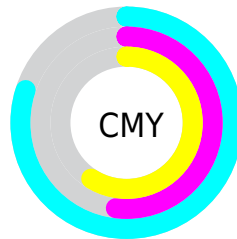
- Red (20%)
- Green (48%)
- Blue (41%)



- Red (20%)
- Yellow (36%)
- Blue (48%)



- Cyan (59%)
- Magenta (0%)
- Yellow (14%)
- Black (52%)





- Cyan (80%)
- Magenta (52%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6171, 0.2562, 0.3696 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 15.6171, 0.2562, 0.3696 by changing the saturation by 10% instead.


 15.6171, 0.2562,
0.3696


 15.6171, 0.2562,
0.3696


 227.0716, 0.2896,
0.3454

 9.2536, 0.2455,
0.3776


 35.9322, 0.2699,
0.3595


 4.9070, 0.2298,
0.3894

 50.6526, 0.2745,
0.3562

 2.1928, 0.2048,
0.4088

 68.9274, 0.2783,
0.3535

 0.7161, 0.0180,
0.5346

 91.1410, 0.2813,
0.3513

 0.0000, 0.0000,
0.0000

 117.6778, 0.2839,
0.3494

 148.9223, 0.2861,

0.3479

185.2587, 0.2880,
0.3465

■ 15.6171, 0.2562,
0.3696

■ 15.6171, 0.2562,
0.3696

■ 15.2896, 0.2510,
0.3778

■ 16.0305, 0.2631,
0.3616

■ 15.0394, 0.2475,
0.3862

■ 16.5340, 0.2713,
0.3540

■ 14.8593, 0.2459,
0.3946

■ 17.1336, 0.2808,
0.3469

■ 14.7261, 0.2456,
0.4030

■ 17.8344, 0.2912,
0.3402

■ 14.7132, 0.2455,
0.4039

■ 18.6411, 0.3023,
0.3341

■ 19.5579, 0.3139,
0.3285

■ 20.5891, 0.3256,
0.3234

■ 21.7385, 0.3375,
0.3189

■ 23.0099, 0.3492,
0.3149

Harmonies

Analogous

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



15.6171, 0.3047, 0.4141



15.6171, 0.2562, 0.3696



15.6171, 0.2244, 0.3146

Triad

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



15.6171, 0.2562, 0.3696



15.6171, 0.2625, 0.2444



15.6171, 0.4211, 0.3738

Complementary

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



15.6171, 0.2562, 0.3696



6.8250, 0.4408, 0.2955

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.



15.6171, 0.4093, 0.3313



15.6171, 0.2562, 0.3696



15.6171, 0.3133, 0.2604

Square

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



15.6171, 0.2562, 0.3696



15.6171, 0.2281, 0.2470



15.6171, 0.3683, 0.2912



15.6171, 0.4012, 0.4102

Rectangle

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



15.6171, 0.2562, 0.3696



15.6171, 0.2154, 0.2832



15.6171, 0.3683, 0.2912



15.6171, 0.4208, 0.3599

Sweetspot

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



15.6177, 0.2562, 0.3696



31.4523, 0.2919, 0.3398



15.3788, 0.3225, 0.4999



7.1196, 0.2893, 0.3414



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.



15.6177, 0.2562, 0.3696



26.7205, 0.2495, 0.3809



11.9848, 0.2330, 0.2855



4.4970, 0.3023, 0.3341



15.4893, 0.2456, 0.4041



73.7485, 0.2468, 0.4084

Inverse Universe

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



6.8250, 0.4408, 0.2955



9.6938, 0.4906, 0.2923



8.5032, 0.4585, 0.3654



4.0291, 0.3243, 0.3240



4.4473, 0.5895, 0.3021



21.1013, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 15.6171, 0.2562, 0.3696 looks on a white background.

Color Contrast Check

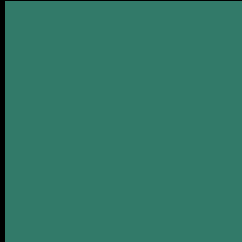
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6171, 0.2562, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

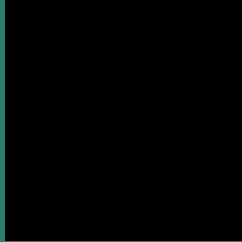
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6171, 0.2562, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 15.6171, 0.2562, 0.3696.



This preview shows how white text looks on a background with the Yxy color 15.6171, 0.2562, 0.3696.

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

15.6171, 0.2562, 0.3696

Protanopia

15.3965, 0.3339, 0.3518

Deuteranopia

15.3838, 0.3298, 0.3251



Tritanopia

15.6820, 0.2422, 0.3088

Trichromacy



Original Color

15.6171, 0.2562, 0.3696

Protanomaly

15.1984, 0.2987, 0.3580

Deuteranomaly

15.0828, 0.2967, 0.3399

Tritanomaly

15.6298, 0.2469, 0.3288

Monochromacy



Original Color

15.6171, 0.2562, 0.3696

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2043, 0.2858, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6171, 0.2562, 0.3696 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(50, 122, 105)` looks like.

```
.text, #text, p{  
    color:rgb(50, 122, 105)  
}
```

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(50, 122, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 122, 105) }
```

Border

The CSS property to change the border of an element to Yxy 15.6171, 0.2562, 0.3696 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(50, 122, 105) }
```

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

```
.border{ border-color:rgb(50, 122, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 122, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 122, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 122, 105);  
box-shadow:4px 4px 4px 4px rgb(50, 122,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6171, 0.2562, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 122, 105) }
```

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

```
.background{ background-color: rgb(50, 122,  
105) }
```

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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