

Converting Colors

$Y_{xy}(15.5641, 0.2998, 0.3771)$

Have a look what the booklet for
Yxy(15.5641, 0.2998, 0.3771)
contains.

Yxy(15.5933, 0.2995, 0.3765)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5933, 0.2995, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	577560
RGB	87, 117, 96
RGB Percent	34%, 46%, 38%
CMY	0.6587, 0.5412, 0.6236
CMYK	0.26, 0.00, 0.18, 0.54
HSL	138°, 15%, 40%
HSV	138°, 26%, 46%
XYZ	12.4042, 15.5933, 13.4189
YIQ	105.6360, -11.1390, -12.8910

Conversions

Conversions Part 2

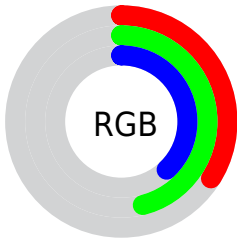
Format	Color
RYB	87, 110, 117
Decimal	5731680
CIELab	46.44, -15.50, 8.12
CIELCh	46, 17.501, 152.357
Yxy	15.5933, 0.2995, 0.3765
Android (android.graphics.Color)	4283921760 (0xFF577560)
YUV	105.6360, -4.7505, -16.3438
Hunter-Lab	39.4884, -13.0335, 7.4939

Details

The Yxy color **15.5933, 0.2995, 0.3765** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6858, 0.3291, 0.2858**, and the grayscale version is **14.3252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8009, 0.3022, 0.3634**, and **4.9376, 0.2910, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **14.9323, 0.2947, 0.3986**, and if you desaturate by 10%, it is **16.3627, 0.3046, 0.3564**.

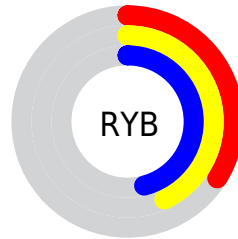
Distribution



Red (34%)

Green (46%)

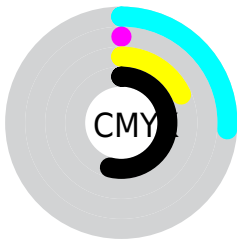
Blue (38%)



Red (34%)

Yellow (43%)

Blue (46%)

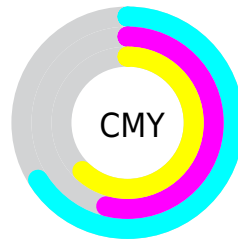


Cyan (26%)

Magenta (0%)

Yellow (18%)

Black (54%)



Cyan (66%)


Magenta (54%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5933, 0.2995, 0.3765 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 15.5933, 0.2995, 0.3765 by changing the saturation by 10% instead.


 15.5933, 0.2995,
0.3765

 15.5933, 0.2995,
0.3765


226.9298, 0.3077,
0.3477


 9.2368, 0.2966,
0.3862


 35.8907, 0.3030,
0.3644


 4.8960, 0.2922,
0.4010

 50.6004, 0.3041,
0.3604

 2.1864, 0.2845,
0.4259

 68.8633, 0.3050,
0.3572

 0.7125, 0.2450,
0.5843

 91.0638, 0.3057,
0.3546

 0.0000, 0.0000,
0.0000

 117.5863, 0.3063,
0.3525

148.8152, 0.3069,

0.3506

185.1349, 0.3073,
0.3491

■ 15.5933, 0.2995,
0.3765

■ 15.5933, 0.2995,
0.3765

■ 14.9323, 0.2947,
0.3986

■ 16.3627, 0.3046,
0.3564

■ 14.3727, 0.2905,
0.4225

■ 17.2431, 0.3098,
0.3383

■ 13.9102, 0.2872,
0.4477

■ 18.2394, 0.3150,
0.3222

■ 13.5388, 0.2849,
0.4734

■ 19.3556, 0.3201,
0.3080

■ 13.2522, 0.2839,
0.4988

■ 20.5957, 0.3250,
0.2955

■ 13.0432, 0.2845,
0.5228

■ 21.9633, 0.3296,
0.2846

■ 12.8990, 0.2863,
0.5443

■ 23.4620, 0.3340,
0.2751

■ 12.8435, 0.2870,
0.5530

■ 25.0950, 0.3382,
0.2668

■ 26.8658, 0.3421,
0.2595

Harmonies

Analogous

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



15.5933, 0.3347, 0.3916



15.5933, 0.2995, 0.3765



15.5933, 0.2691, 0.3463

Triad

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



15.5933, 0.2995, 0.3765



15.5933, 0.2612, 0.2726



15.5933, 0.3790, 0.3396

Complementary

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



15.5933, 0.2995, 0.3765



11.6858, 0.3291, 0.2858

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.



15.5933, 0.3571, 0.3110



15.5933, 0.2995, 0.3765



15.5933, 0.2881, 0.2736

Square

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



15.5933, 0.2995, 0.3765



15.5933, 0.2479, 0.2859



15.5933, 0.3232, 0.2875



15.5933, 0.3817, 0.3674

Rectangle

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



15.5933, 0.2995, 0.3765



15.5933, 0.2551, 0.3233



15.5933, 0.3232, 0.2875



15.5933, 0.3736, 0.3299

Sweetspot

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



15.5940, 0.2995, 0.3765



30.4506, 0.3084, 0.3428



16.6307, 0.3376, 0.3919



6.9545, 0.3078, 0.3450



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.5940, 0.2995, 0.3765



27.1704, 0.2965, 0.3900



15.8865, 0.2838, 0.3432



4.1146, 0.3080, 0.3442



14.1486, 0.2872, 0.5538



68.8132, 0.2897, 0.5629

Inverse Universe

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



11.6858, 0.3291, 0.2858



18.8508, 0.3341, 0.2751



11.4018, 0.3525, 0.3154



3.7402, 0.3178, 0.3142



4.8356, 0.4103, 0.2034



23.4079, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 15.5933, 0.2995, 0.3765 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 15.5933, 0.2995, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

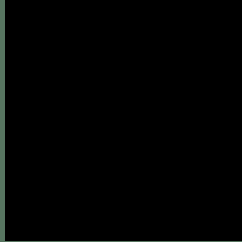
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5933, 0.2995, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 15.5933, 0.2995, 0.3765.



This preview shows how white text looks on a background with the Yxy color 15.5933, 0.2995, 0.3765.

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

15.5933, 0.2995, 0.3765

Protanopia

15.4230, 0.3447, 0.3641

Deuteranopia

15.4750, 0.3493, 0.3449



Tritanopia

15.4907, 0.2767, 0.3098

Trichromacy



Original Color

15.5933, 0.2995, 0.3765

Protanomaly

15.3819, 0.3269, 0.3699

Deuteranomaly

15.3944, 0.3307, 0.3563

Tritanomaly

15.4005, 0.2841, 0.3311

Monochromacy



Original Color

15.5933, 0.2995, 0.3765

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7638, 0.3079, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5933, 0.2995, 0.3765 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, 117, 96)` looks like.

```
.text, #text, p{  
    color:rgb(87, 117, 96)  
}
```

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, 117, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 117, 96) }
```

Border

The CSS property to change the border of an element to Yxy 15.5933, 0.2995, 0.3765 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, 117, 96) }
```

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

```
.border{ border-color:rgb(87, 117, 96) }
```

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

Here you see how a box with a 4 pixel rgb(87, 117, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 117, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 117, 96);  
box-shadow:4px 4px 4px 4px rgb(87, 117,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5933, 0.2995, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 117, 96) }
```

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

```
.background{ background-color: rgb(87, 117,  
96) }
```

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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