

Converting Colors

$Y_{xy}(15.8673, 0.2994, 0.3803)$

Have a look what the booklet for
Yxy(15.8673, 0.2994, 0.3803)
contains.

Yxy(15.8276, 0.2995, 0.3786)	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(15.8276, 0.2995, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	577660
RGB	87, 118, 96
RGB Percent	34%, 46%, 38%
CMY	0.6588, 0.5373, 0.6236
CMYK	0.26, 0.00, 0.19, 0.54
HSL	137°, 15%, 40%
HSV	137°, 26%, 46%
XYZ	12.5208, 15.8276, 13.4572
YIQ	106.2230, -11.4140, -13.4140

Conversions

Conversions Part 2

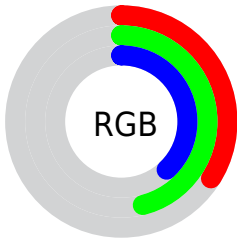
Format	Color
RYB	87, 111, 118
Decimal	5731936
CIELab	46.75, -16.05, 8.56
CIElCh	47, 18.194, 151.927
Yxy	15.8276, 0.2995, 0.3786
Android (android.graphics.Color)	4283922016 (0xFF577660)
YUV	106.2230, -5.0399, -16.8586
Hunter-Lab	39.7839, -13.4444, 7.7934

Details

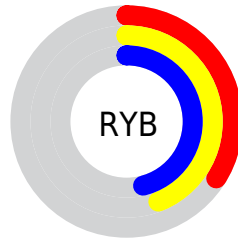
The Yxy color **15.8276, 0.2995, 0.3786** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7758, 0.3291, 0.2841**, and the grayscale version is **14.4948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1744, 0.3022, 0.3649**, and **5.0617, 0.2912, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **15.1595, 0.2949, 0.4012**, and if you desaturate by 10%, it is **16.6063, 0.3045, 0.3580**.

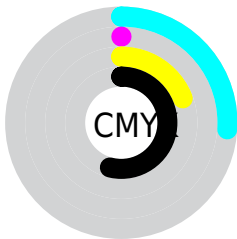
Distribution



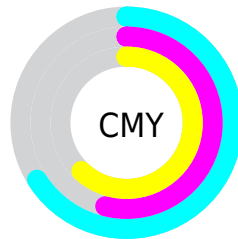
- Red (34%)
- Green (46%)
- Blue (38%)



- Red (34%)
- Yellow (44%)
- Blue (46%)



- Cyan (26%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)



- Cyan (66%)
- Magenta (54%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8276, 0.2995, 0.3786 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 15.8276, 0.2995, 0.3786 by changing the saturation by 10% instead.

■ 15.8276, 0.2995,
0.3786

■ 15.8276, 0.2995,
0.3786

■ 228.3223, 0.3077,
0.3486

■ 9.4022, 0.2966,
0.3887

■ 36.2987, 0.3030,
0.3660

■ 5.0045, 0.2922,
0.4041

■ 51.1131, 0.3041,
0.3618

■ 2.2499, 0.2844,
0.4298

■ 69.4928, 0.3050,
0.3585

■ 0.7470, 0.2485,
0.5837

■ 91.8220, 0.3058,
0.3558

■ 0.0000, 0.0000,
0.0000

■ 118.4851, 0.3064,
0.3535

149.8666, 0.3069,

0.3516

186.3509, 0.3073,
0.3500

■ 15.8276, 0.2995,
0.3786

■ 15.8276, 0.2995,
0.3786

■ 15.1595, 0.2949,
0.4012

■ 16.6063, 0.3045,
0.3580

■ 14.5951, 0.2908,
0.4255

■ 17.4985, 0.3095,
0.3395

■ 14.1296, 0.2876,
0.4511

■ 18.5090, 0.3146,
0.3231

■ 13.7571, 0.2854,
0.4772

■ 19.6422, 0.3196,
0.3086

■ 13.4709, 0.2846,
0.5028

■ 20.9020, 0.3243,
0.2958

■ 13.2637, 0.2853,
0.5268

■ 22.2922, 0.3289,
0.2847

■ 13.1208, 0.2871,
0.5481

■ 23.8164, 0.3332,
0.2749

■ 13.0733, 0.2876,
0.5555

■ 25.4781, 0.3372,
0.2664

■ 27.2807, 0.3410,
0.2590

Harmonies

Analogous

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



15.8276, 0.3359, 0.3939



15.8276, 0.2995, 0.3786



15.8276, 0.2679, 0.3474

Triad

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



15.8276, 0.2995, 0.3786



15.8276, 0.2592, 0.2708



15.8276, 0.3811, 0.3394

Complementary

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



15.8276, 0.2995, 0.3786



11.7758, 0.3291, 0.2841

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.



15.8276, 0.3582, 0.3100



15.8276, 0.2995, 0.3786



15.8276, 0.2868, 0.2717

Square

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



15.8276, 0.2995, 0.3786



15.8276, 0.2457, 0.2847



15.8276, 0.3230, 0.2859



15.8276, 0.3842, 0.3682

Rectangle

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



15.8276, 0.2995, 0.3786



15.8276, 0.2535, 0.3236



15.8276, 0.3230, 0.2859



15.8276, 0.3754, 0.3294

Sweetspot

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



15.8283, 0.2995, 0.3786



30.4470, 0.3085, 0.3430



16.9107, 0.3383, 0.3936



6.9535, 0.3079, 0.3452



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.



15.8283, 0.2995, 0.3786



27.0409, 0.2964, 0.3932



16.1381, 0.2831, 0.3436



4.1140, 0.3081, 0.3444



14.1414, 0.2878, 0.5562



68.7811, 0.2903, 0.5651

Inverse Universe

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



11.7758, 0.3291, 0.2841



18.5402, 0.3343, 0.2726



11.4742, 0.3539, 0.3150



3.7407, 0.3176, 0.3140



4.8546, 0.4069, 0.2015



23.5033, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 15.8276, 0.2995, 0.3786 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 15.8276, 0.2995, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

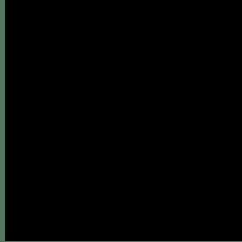
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8276, 0.2995, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 15.8276, 0.2995, 0.3786.



This preview shows how white text looks on a background with the Yxy color 15.8276, 0.2995, 0.3786.

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

15.8276, 0.2995, 0.3786

Protanopia

15.7065, 0.3458, 0.3659

Deuteranopia

15.6255, 0.3522, 0.3448



Tritanopia

15.7400, 0.2758, 0.3099

Trichromacy



Original Color

15.8276, 0.2995, 0.3786

Protanomaly

15.6647, 0.3281, 0.3717

Deuteranomaly

15.4597, 0.3321, 0.3561

Tritanomaly

15.6274, 0.2842, 0.3333

Monochromacy



Original Color

15.8276, 0.2995, 0.3786

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 15.8276, 0.2995, 0.3786 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, 118, 96)` looks like.

```
.text, #text, p{  
    color:rgb(87, 118, 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, 118, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 118, 96) }
```

Border

The CSS property to change the border of an element to Yxy 15.8276, 0.2995, 0.3786 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, 118, 96) }
```

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

```
.border{ border-color:rgb(87, 118, 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, 118, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 118, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 118, 96);  
box-shadow:4px 4px 4px 4px rgb(87, 118,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8276, 0.2995, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 118, 96) }
```

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

```
.background{ background-color: rgb(87, 118,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor