

Converting Colors

$Yxy(15.8086, 0.3088, 0.4054)$

Have a look what the booklet for
Yxy(15.8086, 0.3088, 0.4054)
contains.

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Color

$Yxy(15.7968, 0.3080, 0.4046)$

Conversions

Conversions Part 1

Format	Color
Hex	557756
RGB	85, 119, 86
RGB Percent	33%, 47%, 34%
CMY	0.6665, 0.5334, 0.6627
CMYK	0.29, 0.00, 0.28, 0.53
HSL	122°, 17%, 40%
HSV	122°, 29%, 47%
XYZ	12.0252, 15.7968, 11.2210
YIQ	105.0720, -9.6710, -17.4710

Conversions

Conversions Part 2

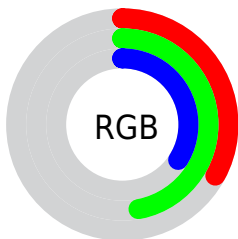
Format	Color
RYB	85, 118, 119
Decimal	5601110
CIELab	46.71, -19.28, 14.35
CIElCh	47, 24.032, 143.344
Yxy	15.7968, 0.3080, 0.4046
Android (android.graphics.Color)	4283791190 (0xFF557756)
YUV	105.0720, -9.4025, -17.6031
Hunter-Lab	39.7452, -15.5474, 11.0827

Details

The Yxy color **15.7968, 0.3080, 0.4046** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.7323, 0.3173, 0.2635**, and the grayscale version is **14.1771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1376, 0.3101, 0.3843**, and **4.9456, 0.3038, 0.4455** is the 20% darker color. If you saturate the color by 10%, you get **15.1148, 0.3062, 0.4364**, and if you desaturate by 10%, it is **16.6040, 0.3098, 0.3753**.

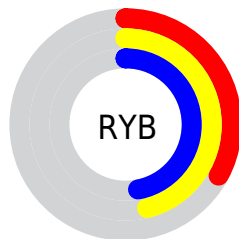
Distribution



Red (33%)

Green (47%)

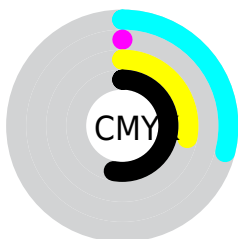
Blue (34%)



Red (33%)

Yellow (46%)

Blue (47%)

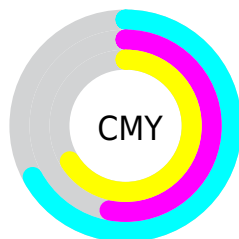


Cyan (29%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7968, 0.3080, 0.4046 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 15.7968, 0.3080, 0.4046 by changing the saturation by 10% instead.


 15.7968, 0.3080,
0.4046


 15.7968, 0.3080,
0.4046


228.1397, 0.3116,
0.3585


 9.3805, 0.3062,
0.4204


 36.2451, 0.3098,
0.3851

 4.9902, 0.3031,
0.4444

 51.0458, 0.3103,
0.3787

 2.2415, 0.2964,
0.4848

 69.4102, 0.3107,
0.3736

 0.7425, 0.2405,
0.7595

 91.7225, 0.3110,
0.3694

 0.0000, 0.0000,
0.0000

 118.3672, 0.3112,
0.3660

149.7287, 0.3114,

0.3631

186.1914, 0.3115,
0.3606

■ 15.7968, 0.3080,
0.4046

■ 15.7968, 0.3080,
0.4046

■ 15.1148, 0.3062,
0.4364

■ 16.6040, 0.3098,
0.3753

■ 14.5498, 0.3044,
0.4697

■ 17.5400, 0.3114,
0.3490

■ 14.0959, 0.3027,
0.5030

■ 18.6109, 0.3129,
0.3258

■ 13.7457, 0.3013,
0.5342

■ 19.8217, 0.3143,
0.3055

■ 13.4910, 0.3003,
0.5610

■ 21.1772, 0.3155,
0.2879

■ 13.3225, 0.2998,
0.5813

■ 22.6820, 0.3166,
0.2727

■ 13.2150, 0.2993,
0.5951

■ 24.3405, 0.3176,
0.2596

■ 13.2001, 0.2992,
0.5970

■ 26.1567, 0.3185,
0.2483

■ 28.1348, 0.3193,
0.2385

Harmonies

Analogous

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



15.7968, 0.3553, 0.4162



15.7968, 0.3080, 0.4046



15.7968, 0.2641, 0.3667

Triad

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



15.7968, 0.3080, 0.4046



15.7968, 0.2361, 0.2563



15.7968, 0.3972, 0.3302

Complementary

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



15.7968, 0.3080, 0.4046



11.7323, 0.3173, 0.2635

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.



15.7968, 0.3603, 0.2941



15.7968, 0.3080, 0.4046



15.7968, 0.2666, 0.2528

Square

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



15.7968, 0.3080, 0.4046



15.7968, 0.2249, 0.2787



15.7968, 0.3116, 0.2666



15.7968, 0.4090, 0.3685

Rectangle

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



15.7968, 0.3080, 0.4046



15.7968, 0.2423, 0.3345



15.7968, 0.3116, 0.2666



15.7968, 0.3872, 0.3176

Sweetspot

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



15.7975, 0.3080, 0.4046



31.2889, 0.3113, 0.3507



17.7307, 0.3528, 0.3967



7.3644, 0.3111, 0.3538



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.



15.7975, 0.3080, 0.4046



27.4930, 0.3069, 0.4244



16.0963, 0.2901, 0.3656



4.0998, 0.3113, 0.3502



14.0252, 0.2992, 0.5970



68.3248, 0.2997, 0.5988

Inverse Universe

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



11.7323, 0.3173, 0.2635



18.9908, 0.3184, 0.2491



11.3722, 0.3434, 0.2952



3.7562, 0.3141, 0.3087



5.4959, 0.3280, 0.1580



26.7597, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 15.7968, 0.3080, 0.4046 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 15.7968, 0.3080, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

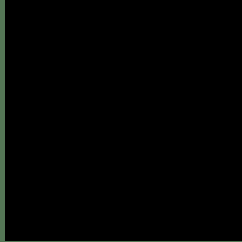
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7968, 0.3080, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 15.7968, 0.3080, 0.4046.



This preview shows how white text looks on a background with the Yxy color 15.7968, 0.3080, 0.4046.

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

15.7968, 0.3080, 0.4046

Protanopia

15.6126, 0.3605, 0.3863

Deuteranopia

15.6185, 0.3679, 0.3623



Tritanopia

15.7400, 0.2758, 0.3099

Trichromacy



Original Color

15.7968, 0.3080, 0.4046

Protanomaly

15.4990, 0.3406, 0.3936

Deuteranomaly

15.5182, 0.3435, 0.3773

Tritanomaly

15.7404, 0.2864, 0.3421

Monochromacy



Original Color

15.7968, 0.3080, 0.4046

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6304, 0.3115, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7968, 0.3080, 0.4046 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(85, 119, 86)` looks like.

```
.text, #text, p{  
    color:rgb(85, 119, 86)  
}
```

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(85, 119, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 119, 86) }
```

Border

The CSS property to change the border of an element to Yxy 15.7968, 0.3080, 0.4046 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(85, 119, 86) }
```

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

```
.border{ border-color:rgb(85, 119, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 119, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 119, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 119, 86);  
box-shadow:4px 4px 4px 4px rgb(85, 119,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7968, 0.3080, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 119, 86) }
```

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

```
.background{ background-color: rgb(85, 119,  
86) }
```

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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