

Converting Colors

$Y_{xy}(15.9163, 0.2882, 0.3558)$

Have a look what the booklet for
Yxy(15.9163, 0.2882, 0.3558)
contains.

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Color

$Y_{xy}(15.9759, 0.2875, 0.3556)$

Conversions

Conversions Part 1

Format	Color
Hex	56766A
RGB	86, 118, 106
RGB Percent	34%, 46%, 42%
CMY	0.6628, 0.5372, 0.5844
CMYK	0.27, 0.00, 0.10, 0.54
HSL	157°, 16%, 40%
HSV	157°, 27%, 46%
XYZ	12.9164, 15.9759, 16.0343
YIQ	107.0640, -15.2200, -10.5160

Conversions

Conversions Part 2

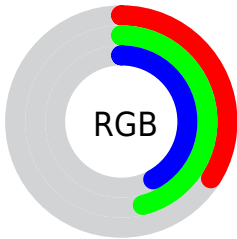
Format	Color
R_{YB}	86, 106, 118
Decimal	5666410
CIE _{Lab}	46.94, -14.24, 2.91
CIE _{LCh}	47, 14.537, 168.465
Yxy	15.9759, 0.2875, 0.3556
Android (android.graphics.Color)	4283856490 (0xFF56766A)
YUV	107.0640, -0.5246, -18.4731
Hunter-Lab	39.9699, -12.2644, 4.1941

Details

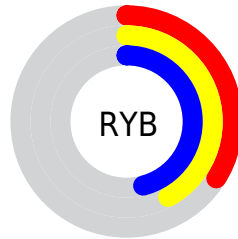
The Yxy color **15.9759, 0.2875, 0.3556** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3883, 0.3471, 0.3040**, and the grayscale version is **14.7258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4180, 0.2934, 0.3490**, and **5.1274, 0.2751, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **15.3722, 0.2793, 0.3671**, and if you desaturate by 10%, it is **16.6782, 0.2964, 0.3450**.

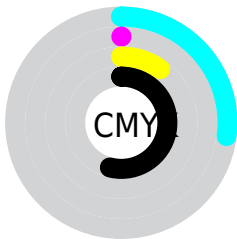
Distribution



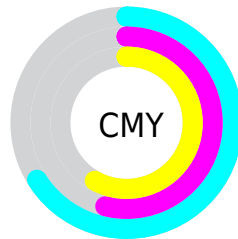
- Red (34%)
- Green (46%)
- Blue (42%)



- Red (34%)
- Yellow (42%)
- Blue (46%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (54%)




- Cyan (66%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9759, 0.2875, 0.3556 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 15.9759, 0.2875, 0.3556 by changing the saturation by 10% instead.


 15.9759, 0.2875,
0.3556


 15.9759, 0.2875,
0.3556


229.1995, 0.3024,
0.3397


 9.5071, 0.2827,
0.3608


 36.5564, 0.2936,
0.3490


 5.0734, 0.2755,
0.3686

 51.4368, 0.2957,
0.3468


 2.2904, 0.2640,
0.3814

 69.8899, 0.2974,
0.3451

 0.7686, 0.2145,
0.4306

 92.3001, 0.2988,
0.3436

 0.0000, 0.0000,
0.0000

 119.0518, 0.2999,
0.3424

150.5293, 0.3009,

0.3414

187.1171, 0.3017,
0.3405

■ 15.9759, 0.2875,
0.3556

■ 15.9759, 0.2875,
0.3556

■ 15.3722, 0.2793,
0.3671

■ 16.6782, 0.2964,
0.3450

■ 14.8604, 0.2721,
0.3795

■ 17.4814, 0.3058,
0.3353

■ 14.4363, 0.2661,
0.3925

■ 18.3902, 0.3155,
0.3266

■ 14.0944, 0.2616,
0.4061

■ 19.4084, 0.3252,
0.3188

■ 13.8285, 0.2589,
0.4200

■ 20.5396, 0.3349,
0.3118

■ 13.6317, 0.2580,
0.4339

■ 21.7873, 0.3444,
0.3057

■ 13.4877, 0.2586,
0.4478

■ 23.1547, 0.3536,
0.3002

■ 13.4486, 0.2588,
0.4518

■ 24.6451, 0.3625,
0.2955

■ 26.2614, 0.3710,
0.2913

Harmonies

Analogous

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



15.9759, 0.3155, 0.3753



15.9759, 0.2875, 0.3556



15.9759, 0.2668, 0.3283

Triad

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



15.9759, 0.2875, 0.3556



15.9759, 0.2809, 0.2810



15.9759, 0.3705, 0.3511

Complementary

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



15.9759, 0.2875, 0.3556



11.3883, 0.3471, 0.3040

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.



15.9759, 0.3605, 0.3269



15.9759, 0.2875, 0.3556



15.9759, 0.3078, 0.2878

Square

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



15.9759, 0.2875, 0.3556



15.9759, 0.2632, 0.2860



15.9759, 0.3372, 0.3042



15.9759, 0.3641, 0.3710

Rectangle

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



15.9759, 0.2875, 0.3556



15.9759, 0.2596, 0.3105



15.9759, 0.3372, 0.3042



15.9759, 0.3690, 0.3432

Sweetspot

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



15.9766, 0.2875, 0.3556



30.5751, 0.3048, 0.3363



16.2413, 0.3249, 0.3990



6.9872, 0.3036, 0.3375



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.



15.9766, 0.2875, 0.3556



27.3596, 0.2819, 0.3632



15.3820, 0.2743, 0.3208



4.1331, 0.3040, 0.3371



14.5455, 0.2590, 0.4523



70.7117, 0.2610, 0.4595

Inverse Universe

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



11.3883, 0.3471, 0.3040



17.7676, 0.3586, 0.2975



11.7900, 0.3655, 0.3371



3.7215, 0.3223, 0.3211



4.3638, 0.5390, 0.2743



21.1106, 0.5524, 0.2816

Previews

White Background



This preview shows how the Yxy color 15.9759, 0.2875, 0.3556 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 15.9759, 0.2875, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

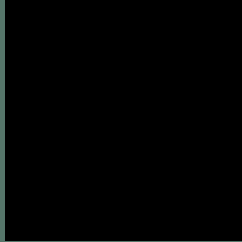
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9759, 0.2875, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 15.9759, 0.2875, 0.3556.



This preview shows how white text looks on a background with the Yxy color 15.9759, 0.2875, 0.3556.

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

15.9759, 0.2875, 0.3556

Protanopia

15.9730, 0.3295, 0.3474

Deuteranopia

15.8091, 0.3338, 0.3271



Tritanopia

15.9158, 0.2717, 0.3079

Trichromacy



Original Color

15.9759, 0.2875, 0.3556

Protanomaly

15.9570, 0.3129, 0.3523

Deuteranomaly

15.7454, 0.3163, 0.3373

Tritanomaly

15.9226, 0.2780, 0.3246

Monochromacy



Original Color

15.9759, 0.2875, 0.3556

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0831, 0.3018, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9759, 0.2875, 0.3556 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(86, 118, 106) looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 106)  
}
```

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(86, 118, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.9759, 0.2875, 0.3556 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(86, 118, 106) }
```

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

```
.border{ border-color:rgb(86, 118, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 106);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9759, 0.2875, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 106) }
```

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

```
.background{ background-color: rgb(86, 118,  
106) }
```

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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