

Converting Colors

$Y_{xy}(12.4711, 0.2847, 0.2923)$

Have a look what the booklet for
Yxy(12.4711, 0.2847, 0.2923)
contains.

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Color

Yxy(12.5412, 0.2850, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	5E6373
RGB	94, 99, 115
RGB Percent	37%, 39%, 45%
CMY	0.6313, 0.6118, 0.5490
CMYK	0.18, 0.14, 0.00, 0.55
HSL	226°, 10%, 41%
HSV	226°, 18%, 45%
XYZ	12.1738, 12.5412, 18.0002
YIQ	99.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

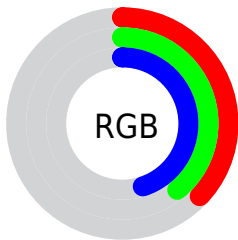
Format	Color
R_{YB}	94, 98, 115
Decimal	6185843
CIE _{Lab}	42.06, 1.76, -9.66
CIE _{LCh}	42, 9.816, 280.352
Yxy	12.5412, 0.2850, 0.2936
Android (android.graphics.Color)	4284375923 (0xFF5E6373)
YUV	99.3290, 7.7258, -4.6735
Hunter-Lab	35.4136, -0.6121, -5.3468

Details

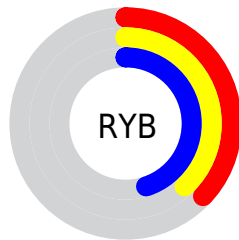
The Yxy color **12.5412, 0.2850, 0.2936** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6108, 0.3403, 0.3621**, and the grayscale version is **12.5473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6225, 0.2924, 0.3029**, and **3.5798, 0.2717, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **10.4056, 0.2682, 0.2711**, and if you desaturate by 10%, it is **14.9490, 0.3007, 0.3139**.

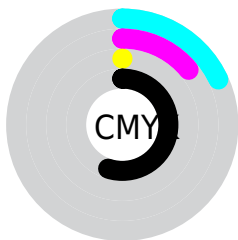
Distribution



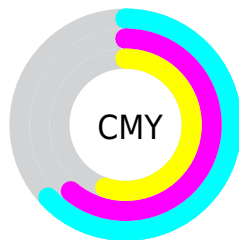
- Red (37%)
- Green (39%)
- Blue (45%)



- Red (37%)
- Yellow (38%)
- Blue (45%)



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)
- Black (55%)



- Cyan (63%)
- Magenta (61%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5412, 0.2850, 0.2936 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 12.5412, 0.2850, 0.2936 by changing the saturation by 10% instead.

■ 12.5412, 0.2850,
0.2936

■ 12.5412, 0.2850,
0.2936

207.9560, 0.3018,
0.3149

■ 7.1134, 0.2793,
0.2865

■ 30.4770, 0.2921,
0.3025

■ 3.5331, 0.2707,
0.2759

■ 43.7538, 0.2944,
0.3055

■ 1.4160, 0.2564,
0.2583

■ 60.4158, 0.2963,
0.3078

■ 0.2285, 0.1842,
0.1617

■ 80.8472, 0.2978,
0.3098

■ 0.0000, 0.0000,
0.0000

105.4325, 0.2990,
0.3114

134.5562, 0.3001,

0.3127

168.6025, 0.3010,
0.3139

■ 12.5412, 0.2850,
0.2936

■ 12.5412, 0.2850,
0.2936

■ 10.4056, 0.2682,
0.2711

■ 14.9490, 0.3007,
0.3139

■ 8.5308, 0.2505,
0.2465

■ 17.6367, 0.3152,
0.3320

■ 6.9072, 0.2324,
0.2202

■ 20.6136, 0.3283,
0.3480

■ 5.5236, 0.2146,
0.1929

■ 23.8880, 0.3402,
0.3620

■ 4.3681, 0.1977,
0.1656

■ 27.4681, 0.3509,
0.3743

■ 3.4278, 0.1827,
0.1396

■ 31.3615, 0.3606,
0.3850

■ 2.6882, 0.1704,
0.1160

■ 35.5757, 0.3692,
0.3943

■ 2.1212, 0.1607,
0.0959

■ 40.1180, 0.3769,
0.4025

■ 2.0353, 0.1591,
0.0927

■ 44.9952, 0.3839,
0.4096

Harmonies

Analogous

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



12.5412, 0.2741, 0.3001



12.5412, 0.2850, 0.2936



12.5412, 0.3035, 0.2962

Triad

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



12.5412, 0.2850, 0.2936



12.5412, 0.3540, 0.3410



12.5412, 0.2996, 0.3529

Complementary

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



12.5412, 0.2850, 0.2936



15.6108, 0.3403, 0.3621

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.



12.5412, 0.3208, 0.3646



12.5412, 0.2850, 0.2936



12.5412, 0.3527, 0.3568

Square

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



12.5412, 0.2850, 0.2936



12.5412, 0.3438, 0.3229



12.5412, 0.3404, 0.3658



12.5412, 0.2823, 0.3342

Rectangle

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



12.5412, 0.2850, 0.2936



12.5412, 0.3179, 0.3025



12.5412, 0.3404, 0.3658



12.5412, 0.3065, 0.3578

Sweetspot

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



12.5417, 0.2850, 0.2936



28.2128, 0.3053, 0.3198



15.7638, 0.2925, 0.3403



6.6680, 0.3045, 0.3188



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.



12.5417, 0.2850, 0.2936



20.7423, 0.2778, 0.2841



11.9138, 0.2918, 0.2832



3.7180, 0.2995, 0.3124



2.2962, 0.1588, 0.0917



10.0554, 0.1566, 0.0837

Inverse Universe

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



12.5544, 0.3382, 0.3186



20.8173, 0.3457, 0.3160



16.3707, 0.3314, 0.3728



3.7138, 0.3242, 0.3240



4.2558, 0.5886, 0.3016



20.6245, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 12.5412, 0.2850, 0.2936 looks on a white background.

Color Contrast Check

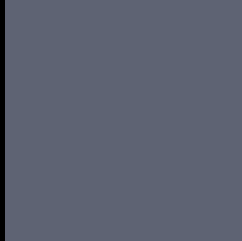
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5412, 0.2850, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

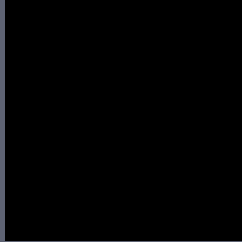
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

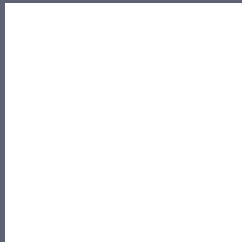
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.5412, 0.2850, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 12.5412, 0.2850, 0.2936.



This preview shows how white text looks on a background with the Yxy color 12.5412, 0.2850, 0.2936.

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

12.5412, 0.2850, 0.2936

Protanopia

12.4600, 0.2876, 0.2916

Deuteranopia

12.5539, 0.2944, 0.2902



Tritanopia

12.5242, 0.2924, 0.3109

Trichromacy



Original Color

12.5412, 0.2850, 0.2936

Protanomaly

12.4061, 0.2862, 0.2915

Deuteranomaly

12.5698, 0.2903, 0.2919

Tritanomaly

12.5892, 0.2886, 0.3043

Monochromacy



Original Color

12.5412, 0.2850, 0.2936

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4850, 0.3018, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5412, 0.2850, 0.2936 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 $rgb(94, 99, 115)$ looks like.

```
.text, #text, p{  
    color:rgb(94, 99, 115)  
}
```

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(94, 99, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 99, 115) }
```

Border

The CSS property to change the border of an element to Yxy 12.5412, 0.2850, 0.2936 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(94, 99, 115) }
```

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

```
.border{ border-color:rgb(94, 99, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 99, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 99, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 99, 115);  
box-shadow:4px 4px 4px 4px rgb(94, 99,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5412, 0.2850, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 99, 115) }
```

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

```
.background{ background-color: rgb(94, 99,  
115) }
```

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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