

Converting Colors

$Y_{xy}(15.2533, 0.2515, 0.2697)$

Have a look what the booklet for
Yxy(15.2533, 0.2515, 0.2697)
contains.

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Color

Yxy(15.1936, 0.2513, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	556F8C
RGB	85, 111, 140
RGB Percent	33%, 44%, 55%
CMY	0.6668, 0.5647, 0.4509
CMYK	0.39, 0.21, 0.00, 0.45
HSL	212°, 24%, 44%
HSV	212°, 39%, 55%
XYZ	14.1623, 15.1936, 27.0002
YIQ	106.5320, -24.8050, 3.5070

Conversions

Conversions Part 2

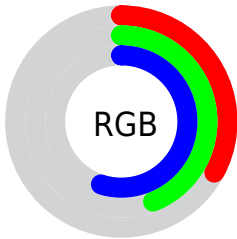
Format	Color
R_{YB}	85, 103, 140
Decimal	5599116
CIE _{Lab}	45.90, -1.73, -18.93
CIE _{LCh}	46, 19.009, 264.784
Yxy	15.1936, 0.2513, 0.2696
Android (android.graphics.Color)	4283789196 (0xFF556F8C)
YUV	106.5320, 16.4997, -18.8836
Hunter-Lab	38.9790, -3.3585, -13.7841

Details

The Yxy color **15.1936, 0.2513, 0.2696** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.2581, 0.3858, 0.3815**, and the grayscale version is **14.5242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4078, 0.2659, 0.2840**, and **4.7623, 0.2243, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **13.0588, 0.2355, 0.2512**, and if you desaturate by 10%, it is **17.5922, 0.2674, 0.2868**.

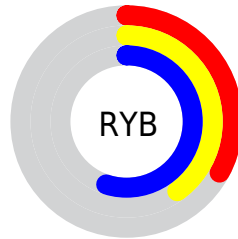
Distribution



Red (33%)

Green (44%)

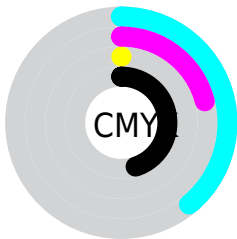
Blue (55%)



Red (33%)

Yellow (40%)

Blue (55%)

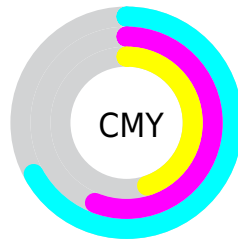


Cyan (39%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (67%)

Magenta (56%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1936, 0.2513, 0.2696 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 15.1936, 0.2513, 0.2696 by changing the saturation by 10% instead.

■ 15.1936, 0.2513,
0.2696

■ 15.1936, 0.2513,
0.2696

■ 224.5351, 0.2870,
0.3044

■ 8.9554, 0.2403,
0.2587

■ 35.1925, 0.2657,
0.2837

■ 4.7121, 0.2246,
0.2432

■ 49.7219, 0.2707,
0.2885

■ 2.0793, 0.2007,
0.2193

■ 67.7838, 0.2747,
0.2925

■ 0.6530, 0.1559,
0.1760

■ 89.7626, 0.2780,
0.2957

■ 0.0000, 0.0000,
0.0000

■ 116.0428, 0.2808,
0.2984

147.0087, 0.2832,

0.3007

183.0446, 0.2852,
0.3027

■ 15.1936, 0.2513,
0.2696

■ 15.1936, 0.2513,
0.2696

■ 13.0588, 0.2355,
0.2512

■ 17.5922, 0.2674,
0.2868

■ 11.1751, 0.2204,
0.2318

■ 20.2630, 0.2833,
0.3026

■ 9.5313, 0.2065,
0.2119

■ 23.2160, 0.2988,
0.3170

■ 8.1144, 0.1944,
0.1919

■ 26.4604, 0.3137,
0.3298

■ 6.9095, 0.1844,
0.1725

■ 30.0046, 0.3278,
0.3413

■ 5.8847, 0.1763,
0.1540

■ 33.8569, 0.3411,
0.3515

■ 5.8189, 0.1758,
0.1527

■ 38.0251, 0.3534,
0.3604

■ 42.5168, 0.3649,
0.3683

■ 47.3392, 0.3756,
0.3752

Harmonies

Analogous

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



15.1936, 0.2412, 0.2878



15.1936, 0.2513, 0.2696



15.1936, 0.2772, 0.2670

Triad

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



15.1936, 0.2513, 0.2696



15.1936, 0.3811, 0.3322



15.1936, 0.3077, 0.3875

Complementary

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



15.1936, 0.2513, 0.2696



18.2581, 0.3858, 0.3815

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.



15.1936, 0.3459, 0.3985



15.1936, 0.2513, 0.2696



15.1936, 0.3897, 0.3634

Square

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



15.1936, 0.2513, 0.2696



15.1936, 0.3527, 0.3021



15.1936, 0.3763, 0.3883



15.1936, 0.2723, 0.3573

Rectangle

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



15.1936, 0.2513, 0.2696



15.1936, 0.3010, 0.2734



15.1936, 0.3763, 0.3883



15.1936, 0.3206, 0.3937

Sweetspot

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



15.1942, 0.2513, 0.2696



39.3435, 0.2943, 0.3129



21.8897, 0.2823, 0.3831



8.9308, 0.2926, 0.3113



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.1942, 0.2513, 0.2696



23.4927, 0.2376, 0.2537



10.3580, 0.2442, 0.2142



5.2570, 0.2991, 0.3172



5.2087, 0.1760, 0.1536



0.0636, 0.1979, 0.2323

Inverse Universe

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



13.2155, 0.3614, 0.2821



19.9714, 0.3772, 0.2719



24.9108, 0.3684, 0.4233



5.0854, 0.3212, 0.3187



5.3100, 0.5013, 0.2535



0.0382, 0.4102, 0.2033

Previews

White Background



This preview shows how the Yxy color 15.1936, 0.2513, 0.2696 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 15.1936, 0.2513, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

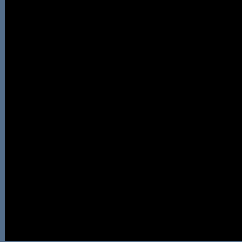
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

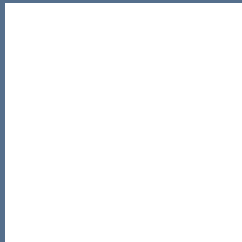
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.1936, 0.2513, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 15.1936, 0.2513, 0.2696.

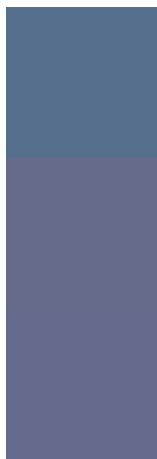


This preview shows how white text looks on a background with the Yxy color 15.1936, 0.2513, 0.2696.

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

15.1936, 0.2513, 0.2696

Protanopia

15.0882, 0.2703, 0.2694

Deuteranopia

15.2052, 0.2663, 0.2623



Tritanopia

15.2140, 0.2640, 0.3093

Trichromacy



Original Color

15.1936, 0.2513, 0.2696

Protanomaly

14.9930, 0.2628, 0.2686

Deuteranomaly

15.0811, 0.2599, 0.2632

Tritanomaly

15.1891, 0.2590, 0.2947

Monochromacy



Original Color

15.1936, 0.2513, 0.2696

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7097, 0.2876, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1936, 0.2513, 0.2696 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, 111, 140)` looks like.

```
.text, #text, p{  
    color:rgb(85, 111, 140)  
}
```

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, 111, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 111, 140) }
```

Border

The CSS property to change the border of an element to Yxy 15.1936, 0.2513, 0.2696 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, 111, 140) }
```

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

```
.border{ border-color:rgb(85, 111, 140) }
```

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

Here you see how a box with a 4 pixel rgb(85, 111, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 111, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 111, 140);  
box-shadow:4px 4px 4px 4px rgb(85, 111,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1936, 0.2513, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 111, 140) }
```

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

```
.background{ background-color: rgb(85, 111,  
140) }
```

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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