

Converting Colors

$Y_{xy}(18.5641, 0.2486, 0.2616)$

Have a look what the booklet for
Yxy(18.5641, 0.2486, 0.2616)
contains.

Yxy(18.4887, 0.2485, 0.2620)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4887, 0.2485, 0.2620)

Conversions

Conversions Part 1

Format	Color
Hex	5E799D
RGB	94, 121, 157
RGB Percent	37%, 47%, 62%
CMY	0.6315, 0.5254, 0.3843
CMYK	0.40, 0.23, 0.00, 0.38
HSL	214°, 25%, 49%
HSV	214°, 40%, 62%
XYZ	17.5360, 18.4887, 34.5428
YIQ	117.0310, -27.6480, 5.4720

Conversions

Conversions Part 2

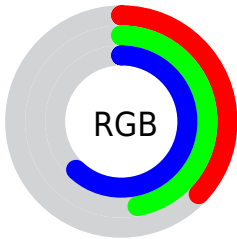
Format	Color
R _Y B	94, 113, 157
Decimal	6191517
CIE Lab	50.08, -0.20, -22.47
CIE LCh	50, 22.468, 269.491
Yxy	18.4887, 0.2485, 0.2620
Android (android.graphics.Color)	4284381597 (0xFF5E799D)
YUV	117.0310, 19.7047, -20.1982
Hunter-Lab	42.9985, -2.4498, -17.5317

Details

The Yxy color **18.4887, 0.2485, 0.2620** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.9277, 0.3869, 0.3874**, and the grayscale version is **17.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8437, 0.2629, 0.2763**, and **6.3193, 0.2228, 0.2354** is the 20% darker color. If you saturate the color by 10%, you get **15.6640, 0.2321, 0.2416**, and if you desaturate by 10%, it is **21.6861, 0.2651, 0.2811**.

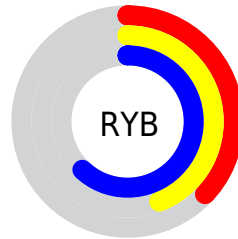
Distribution



Red (37%)

Green (47%)

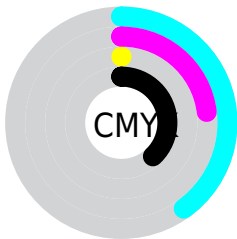
Blue (62%)



Red (37%)

Yellow (44%)

Blue (62%)

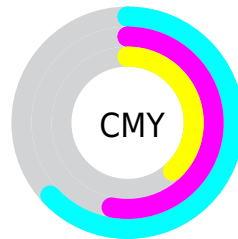


Cyan (40%)

Magenta (23%)

Yellow (0%)

Black (38%)



Cyan (63%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4887, 0.2485, 0.2620 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 18.4887, 0.2485, 0.2620 by changing the saturation by 10% instead.

■ 18.4887, 0.2485,
0.2620

■ 18.4887, 0.2485,
0.2620

■ 243.6114, 0.2848,
0.2999

■ 11.3014, 0.2379,
0.2509

■ 40.8683, 0.2628,
0.2769

■ 6.2700, 0.2232,
0.2355

■ 56.8294, 0.2678,
0.2822

■ 3.0099, 0.2018,
0.2131

■ 76.4840, 0.2719,
0.2865

■ 1.1369, 0.1683,
0.1780

■ 100.2163, 0.2754,
0.2901

■ 0.0093, 0.0023,
0.0053

■ 128.4108, 0.2783,
0.2931

■ 0.0000, 0.0000,
0.0000

161.4519, 0.2807,

0.2957

199.7239, 0.2829,
0.2979

■ 18.4887, 0.2485,
0.2620

■ 18.4887, 0.2485,
0.2620

■ 15.6640, 0.2321,
0.2416

■ 21.6861, 0.2651,
0.2811

■ 13.1941, 0.2164,
0.2202

■ 25.2687, 0.2815,
0.2987

■ 11.0624, 0.2020,
0.1984

■ 29.2511, 0.2974,
0.3146

■ 9.2501, 0.1895,
0.1768

■ 33.6463, 0.3125,
0.3288

■ 7.7357, 0.1794,
0.1561

■ 38.4669, 0.3267,
0.3415

■ 6.4927, 0.1714,
0.1372

■ 43.7245, 0.3400,
0.3526

■ 49.4307, 0.3522,
0.3625

■ 55.5964, 0.3636,
0.3711

■ 62.2320, 0.3740,
0.3786

Harmonies

Analogous

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



18.4887, 0.2346, 0.2790



18.4887, 0.2485, 0.2620



18.4887, 0.2792, 0.2620

Triad

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



18.4887, 0.2485, 0.2620



18.4887, 0.3917, 0.3377



18.4887, 0.3003, 0.3902

Complementary

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



18.4887, 0.2485, 0.2620



23.9277, 0.3869, 0.3874

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.



18.4887, 0.3427, 0.4060



18.4887, 0.2485, 0.2620



18.4887, 0.3972, 0.3715

Square

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



18.4887, 0.2485, 0.2620



18.4887, 0.3630, 0.3041



18.4887, 0.3786, 0.3975



18.4887, 0.2629, 0.3539

Rectangle

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



18.4887, 0.2485, 0.2620



18.4887, 0.3063, 0.2706



18.4887, 0.3786, 0.3975



18.4887, 0.3144, 0.3982

Sweetspot

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



18.4894, 0.2485, 0.2620



50.8429, 0.2941, 0.3114



28.0951, 0.2790, 0.3791



10.9987, 0.2923, 0.3096



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.4894, 0.2485, 0.2620



28.6391, 0.2341, 0.2441



13.0385, 0.2450, 0.2110



6.8799, 0.2988, 0.3159



5.3441, 0.1718, 0.1386



0.1779, 0.1931, 0.2152

Inverse Universe

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



16.5473, 0.3678, 0.2850



25.3031, 0.3858, 0.2756



31.6744, 0.3667, 0.4274



6.6910, 0.3220, 0.3194



6.1617, 0.5210, 0.2644



0.1185, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 18.4887, 0.2485, 0.2620 looks on a white background.

Color Contrast Check

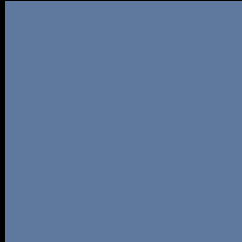
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4887, 0.2485, 0.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

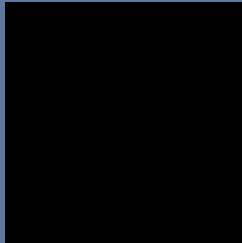
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

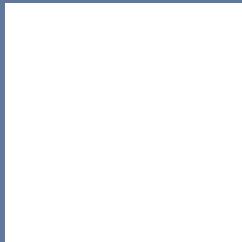
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4887, 0.2485, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 18.4887, 0.2485, 0.2620.

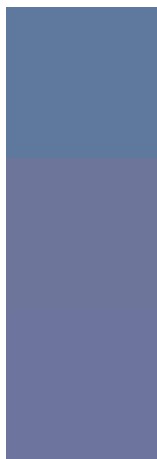


This preview shows how white text looks on a background with the Yxy color 18.4887, 0.2485, 0.2620.

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

18.4887, 0.2485, 0.2620

Protanopia

18.3069, 0.2645, 0.2618

Deuteranopia

18.4424, 0.2609, 0.2554



Tritanopia

18.4912, 0.2627, 0.3088

Trichromacy



Original Color

18.4887, 0.2485, 0.2620

Protanomaly

18.2665, 0.2588, 0.2611

Deuteranomaly

18.3685, 0.2562, 0.2564

Tritanomaly

18.5721, 0.2573, 0.2917

Monochromacy



Original Color

18.4887, 0.2485, 0.2620

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8740, 0.2863, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4887, 0.2485, 0.2620 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, 121, 157)` looks like.

```
.text, #text, p{  
    color:rgb(94, 121, 157)  
}
```

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, 121, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 121, 157) }
```

Border

The CSS property to change the border of an element to Yxy 18.4887, 0.2485, 0.2620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

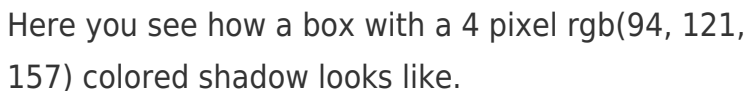
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 121, 157) }
```

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

```
.border{ border-color:rgb(94, 121, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 121, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 121, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 121, 157);  
box-shadow:4px 4px 4px 4px rgb(94, 121,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4887, 0.2485, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 121, 157) }
```

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

```
.background{ background-color: rgb(94, 121,  
157) }
```

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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