

Converting Colors

$Y_{xy}(19.0851, 0.2398, 0.2509)$

Have a look what the booklet for
Yxy(19.0851, 0.2398, 0.2509)
contains.

Yxy(19.1432, 0.2398, 0.2511)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1432, 0.2398, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	5B7BA6
RGB	91, 123, 166
RGB Percent	36%, 48%, 65%
CMY	0.6431, 0.5177, 0.3490
CMYK	0.45, 0.26, 0.00, 0.35
HSL	214°, 30%, 50%
HSV	214°, 45%, 65%
XYZ	18.2817, 19.1432, 38.8124
YIQ	118.3340, -32.8750, 6.5890

Conversions

Conversions Part 2

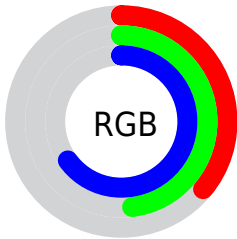
Format	Color
R _Y B	91, 113, 166
Decimal	5995430
CIE Lab	50.85, 0.46, -26.54
CIE LCh	51, 26.546, 270.986
Yxy	19.1432, 0.2398, 0.2511
Android (android.graphics.Color)	4284185510 (0xFF5B7BA6)
YUV	118.3340, 23.4993, -23.9719
Hunter-Lab	43.7529, -1.9833, -21.9680

Details

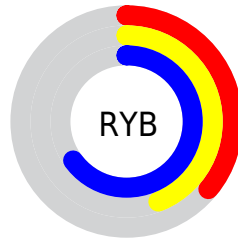
The Yxy color **19.1432, 0.2398, 0.2511** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.9209, 0.3986, 0.3952**, and the grayscale version is **18.1607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8097, 0.2555, 0.2679**, and **6.6591, 0.2126, 0.2228** is the 20% darker color. If you saturate the color by 10%, you get **16.1429, 0.2236, 0.2299**, and if you desaturate by 10%, it is **22.5613, 0.2565, 0.2711**.

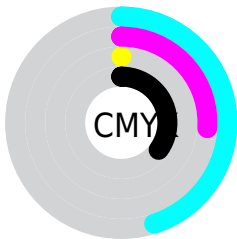
Distribution



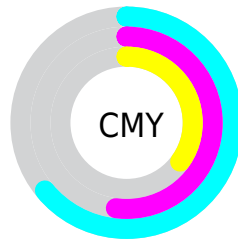
- Red (36%)
- Green (48%)
- Blue (65%)



- Red (36%)
- Yellow (44%)
- Blue (65%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (35%)



- Cyan (64%)
- Magenta (52%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1432, 0.2398, 0.2511 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 19.1432, 0.2398, 0.2511 by changing the saturation by 10% instead.

■ 19.1432, 0.2398,
0.2511

■ 19.1432, 0.2398,
0.2511

■ 247.2382, 0.2806,
0.2946

■ 11.7738, 0.2281,
0.2387

■ 41.9759, 0.2557,
0.2681

■ 6.5898, 0.2122,
0.2217

■ 58.2081, 0.2614,
0.2741

■ 3.2069, 0.1894,
0.1976

■ 78.1632, 0.2660,
0.2790

■ 1.2407, 0.1551,
0.1612

■ 102.2258, 0.2699,
0.2832

■ 0.0946, 0.0399,
0.0373

■ 130.7802, 0.2732,
0.2867

■ 0.0000, 0.0000,
0.0000

164.2108, 0.2760,

0.2897

202.9020, 0.2784,
0.2923

■ 19.1432, 0.2398,
0.2511

■ 19.1432, 0.2398,
0.2511

■ 16.1429, 0.2236,
0.2299

■ 22.5613, 0.2565,
0.2711

■ 13.5393, 0.2084,
0.2080

■ 26.4127, 0.2731,
0.2897

■ 11.3124, 0.1949,
0.1861

■ 30.7146, 0.2894,
0.3066

■ 9.4388, 0.1835,
0.1647

■ 35.4823, 0.3050,
0.3218

■ 7.8909, 0.1747,
0.1447

■ 40.7306, 0.3197,
0.3353

■ 7.2347, 0.1710,
0.1356

■ 46.4734, 0.3335,
0.3474

■ 52.7242, 0.3463,
0.3579

■ 59.4958, 0.3581,
0.3672

■ 66.8006, 0.3690,
0.3753

Harmonies

Analogous

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



19.1432, 0.2230, 0.2691



19.1432, 0.2398, 0.2511



19.1432, 0.2757, 0.2524

Triad

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



19.1432, 0.2398, 0.2511



19.1432, 0.4062, 0.3402



19.1432, 0.2953, 0.3997

Complementary

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



19.1432, 0.2398, 0.2511



25.9209, 0.3986, 0.3952

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.



19.1432, 0.3446, 0.4194



19.1432, 0.2398, 0.2511



19.1432, 0.4108, 0.3790

Square

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



19.1432, 0.2398, 0.2511



19.1432, 0.3736, 0.3018



19.1432, 0.3873, 0.4094



19.1432, 0.2528, 0.3555

Rectangle

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



19.1432, 0.2398, 0.2511



19.1432, 0.3075, 0.2629



19.1432, 0.3873, 0.4094



19.1432, 0.3116, 0.4096

Sweetspot

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



19.1439, 0.2398, 0.2511



56.4932, 0.2909, 0.3080



31.2087, 0.2755, 0.3869



12.2588, 0.2875, 0.3047



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.1439, 0.2398, 0.2511



29.3817, 0.2239, 0.2303



12.7256, 0.2345, 0.1931



7.8069, 0.2987, 0.3157



5.6985, 0.1715, 0.1373



0.2408, 0.1900, 0.2040

Inverse Universe

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



17.0226, 0.3786, 0.2796



25.9612, 0.4008, 0.2699



35.6099, 0.3731, 0.4395



7.5934, 0.3222, 0.3194



6.6463, 0.5228, 0.2654



0.1720, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 19.1432, 0.2398, 0.2511 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 19.1432, 0.2398, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

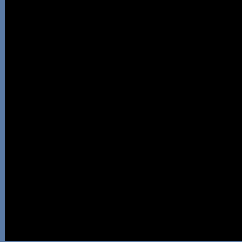
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

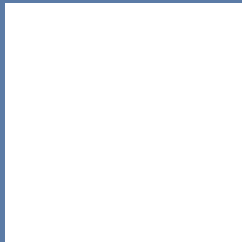
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.1432, 0.2398, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 19.1432, 0.2398, 0.2511.

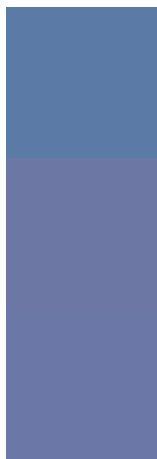


This preview shows how white text looks on a background with the Yxy color 19.1432, 0.2398, 0.2511.

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

19.1432, 0.2398, 0.2511

Protanopia

19.0261, 0.2561, 0.2513

Deuteranopia

19.0478, 0.2509, 0.2449



Tritanopia

19.1123, 0.2565, 0.3088

Trichromacy



Original Color

19.1432, 0.2398, 0.2511

Protanomaly

18.9381, 0.2499, 0.2504

Deuteranomaly

18.9897, 0.2467, 0.2458

Tritanomaly

19.0383, 0.2503, 0.2863

Monochromacy



Original Color

19.1432, 0.2398, 0.2511

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3704, 0.2822, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1432, 0.2398, 0.2511 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(91, 123, 166)` looks like.

```
.text, #text, p{  
    color:rgb(91, 123, 166)  
}
```

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(91, 123, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 123, 166) }
```

Border

The CSS property to change the border of an element to Yxy 19.1432, 0.2398, 0.2511 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(91, 123, 166) }
```

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

```
.border{ border-color:rgb(91, 123, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 123, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 123, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 123, 166);  
box-shadow:4px 4px 4px 4px rgb(91, 123,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1432, 0.2398, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 123, 166) }
```

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

```
.background{ background-color: rgb(91, 123,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor