

Converting Colors

$Y_{xy}(19.4051, 0.2169, 0.1867)$

Have a look what the booklet for
Yxy(19.4051, 0.2169, 0.1867)
contains.

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Color

Yxy(19.4122, 0.2164, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	6273D0
RGB	98, 115, 208
RGB Percent	38%, 45%, 82%
CMY	0.6159, 0.5490, 0.1843
CMYK	0.53, 0.45, 0.00, 0.18
HSL	231°, 54%, 60%
HSV	231°, 53%, 82%
XYZ	22.5486, 19.4122, 62.2378
YIQ	120.5190, -39.9850, 25.3190

Conversions

Conversions Part 2

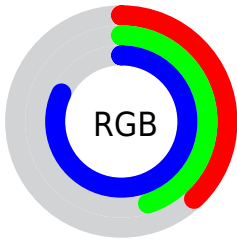
Format	Color
R _Y B	98, 113, 208
Decimal	6452176
CIE Lab	51.17, 20.02, -50.18
CIE LCh	51, 54.024, 291.748
Yxy	19.4122, 0.2164, 0.1863
Android (android.graphics.Color)	4284642256 (0xFF6273D0)
YUV	120.5190, 43.1281, -19.7492
Hunter-Lab	44.0593, 14.2487, -52.9111

Details

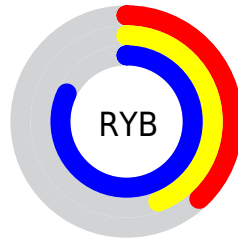
The Yxy color **19.4122, 0.2164, 0.1863** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **51.5250, 0.3990, 0.4390**, and the grayscale version is **18.8233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8260, 0.2421, 0.2231**, and **6.6715, 0.1833, 0.1447** is the 20% darker color. If you saturate the color by 10%, you get **14.7692, 0.1974, 0.1553**, and if you desaturate by 10%, it is **25.1211, 0.2363, 0.2175**.

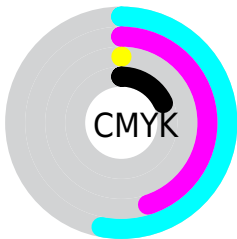
Distribution



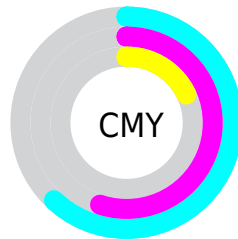
- Red (38%)
- Green (45%)
- Blue (82%)



- Red (38%)
- Yellow (44%)
- Blue (82%)



- Cyan (53%)
- Magenta (45%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4122, 0.2164, 0.1863 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 19.4122, 0.2164, 0.1863 by changing the saturation by 10% instead.

■ 19.4122, 0.2164,
0.1863

■ 19.4122, 0.2164,
0.1863

248.7150, 0.2694,
0.2597

■ 11.9685, 0.2021,
0.1682

■ 42.4295, 0.2366,
0.2130

■ 6.7222, 0.1835,
0.1457

■ 58.7718, 0.2439,
0.2231

■ 3.2890, 0.1587,
0.1173

■ 78.8492, 0.2500,
0.2316

■ 1.2844, 0.1251,
0.0820

■ 103.0460, 0.2551,
0.2389

■ 0.1291, 0.0799,
0.0169

131.7465, 0.2595,
0.2452

■ 0.0000, 0.0000,
0.0000

165.3353, 0.2633,

0.2506

204.1966, 0.2665,
0.2555

■ 19.4122, 0.2164,
0.1863

■ 19.4122, 0.2164,
0.1863

■ 14.7692, 0.1974,
0.1553

■ 25.1211, 0.2363,
0.2175

■ 11.1229, 0.1806,
0.1264

■ 31.9553, 0.2560,
0.2475

■ 8.3984, 0.1671,
0.1014

■ 39.9722, 0.2749,
0.2753

■ 6.5092, 0.1577,
0.0821

■ 49.2245, 0.2924,
0.3006

■ 5.6019, 0.1534,
0.0721

■ 59.7617, 0.3084,
0.3230

■ 71.6308, 0.3227,
0.3427

■ 84.8761, 0.3354,
0.3598

■ 97.3345, 0.3406,
0.3750

Harmonies

Analogous

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



19.4122, 0.1660, 0.1895



19.4122, 0.2164, 0.1863



19.4122, 0.3007, 0.2099

Triad

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



19.4122, 0.2164, 0.1863



19.4122, 0.5082, 0.3851



19.4122, 0.2147, 0.4167

Complementary

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



19.4122, 0.2164, 0.1863



51.5250, 0.3990, 0.4390

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.



19.4122, 0.2980, 0.5044



19.4122, 0.2164, 0.1863



19.4122, 0.4679, 0.4548

Square

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



19.4122, 0.2164, 0.1863



19.4122, 0.4872, 0.3173



19.4122, 0.3902, 0.5090



19.4122, 0.1630, 0.3036

Rectangle

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



19.4122, 0.2164, 0.1863



19.4122, 0.3701, 0.2387



19.4122, 0.3902, 0.5090



19.4122, 0.2398, 0.4530

Sweetspot

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



19.4128, 0.2164, 0.1863



73.0107, 0.2869, 0.2926



51.4122, 0.2545, 0.3551



14.9674, 0.2832, 0.2874



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.4128, 0.2164, 0.1863



22.8762, 0.1960, 0.1528



18.3993, 0.2424, 0.1736



11.7095, 0.2982, 0.3087



3.5819, 0.1538, 0.0738



0.2961, 0.1620, 0.1030

Inverse Universe

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



23.3737, 0.4415, 0.3083



30.6662, 0.4853, 0.3061



54.6903, 0.3582, 0.4706



11.8377, 0.3266, 0.3254



8.4329, 0.6170, 0.3173



0.4812, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 19.4122, 0.2164, 0.1863 looks on a white background.

Color Contrast Check

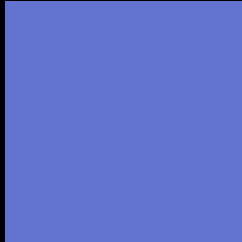
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4122, 0.2164, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

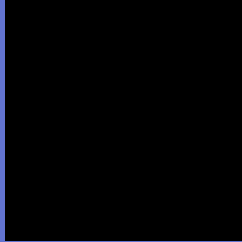
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4122, 0.2164, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 19.4122, 0.2164, 0.1863.



This preview shows how white text looks on a background with the Yxy color 19.4122, 0.2164, 0.1863.

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

19.4122, 0.2164, 0.1863

Protanopia

19.3655, 0.2049, 0.1842

Deuteranopia

19.5828, 0.1993, 0.1943



Tritanopia

19.3842, 0.2483, 0.3068

Trichromacy



Original Color

19.4122, 0.2164, 0.1863

Protanomaly

19.4020, 0.2090, 0.1850

Deuteranomaly

19.3938, 0.2042, 0.1904

Tritanomaly

19.2228, 0.2350, 0.2553

Monochromacy



Original Color

19.4122, 0.2164, 0.1863

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.0043, 0.2700, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4122, 0.2164, 0.1863 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(98, 115, 208)` looks like.

```
.text, #text, p{  
    color:rgb(98, 115, 208)  
}
```

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(98, 115, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 115, 208) }
```

Border

The CSS property to change the border of an element to Yxy 19.4122, 0.2164, 0.1863 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(98, 115, 208) }
```

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

```
.border{ border-color:rgb(98, 115, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 115, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 115, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 115, 208);  
box-shadow:4px 4px 4px 4px rgb(98, 115,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4122, 0.2164, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 115, 208) }
```

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

```
.background{ background-color: rgb(98, 115,  
208) }
```

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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