

Converting Colors

$Y_{xy}(18.9215, 0.2250, 0.1945)$

Have a look what the booklet for
Yxy(18.9215, 0.2250, 0.1945)
contains.

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Color

Yxy(18.8173, 0.2245, 0.1937)

Conversions

Conversions Part 1

Format	Color
Hex	6771C7
RGB	103, 113, 199
RGB Percent	40%, 44%, 78%
CMY	0.5960, 0.5569, 0.2196
CMYK	0.48, 0.43, 0.00, 0.22
HSL	234°, 46%, 59%
HSV	234°, 48%, 78%
XYZ	21.8094, 18.8173, 56.5199
YIQ	119.8140, -33.5660, 24.6260

Conversions

Conversions Part 2

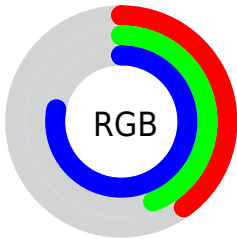
Format	Color
R _Y B	103, 112, 199
Decimal	6779335
CIE Lab	50.47, 19.59, -46.13
CIE LCh	50, 50.113, 293.006
Yxy	18.8173, 0.2245, 0.1937
Android (android.graphics.Color)	4284969415 (0xFF6771C7)
YUV	119.8140, 39.0387, -14.7459
Hunter-Lab	43.3789, 13.8305, -46.8858

Details

The Yxy color **18.8173, 0.2245, 0.1937** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.5317, 0.3885, 0.4352**, and the grayscale version is **18.6024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5012, 0.2443, 0.2213**, and **6.3521, 0.1927, 0.1529** is the 20% darker color. If you saturate the color by 10%, you get **14.1822, 0.2045, 0.1612**, and if you desaturate by 10%, it is **24.5155, 0.2449, 0.2261**.

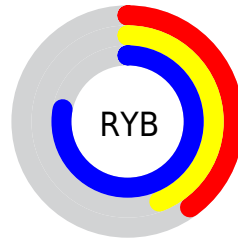
Distribution



Red (40%)

Green (44%)

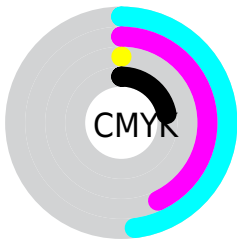
Blue (78%)



Red (40%)

Yellow (44%)

Blue (78%)

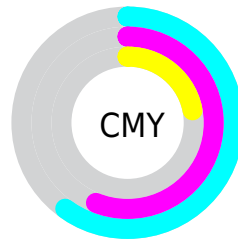


Cyan (48%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (60%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8173, 0.2245, 0.1937 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 18.8173, 0.2245, 0.1937 by changing the saturation by 10% instead.

■ 18.8173, 0.2245,
0.1937

■ 18.8173, 0.2245,
0.1937

■ 245.4383, 0.2737,
0.2643

■ 11.5383, 0.2109,
0.1759

■ 41.4252, 0.2434,
0.2197

■ 6.4302, 0.1929,
0.1534

■ 57.5228, 0.2503,
0.2293

■ 3.1084, 0.1685,
0.1246

■ 77.3289, 0.2559,
0.2375

■ 1.1886, 0.1343,
0.0879

■ 101.2277, 0.2606,
0.2445

■ 0.0523, 0.0849,
0.0084

■ 129.6036, 0.2646,
0.2504

■ 0.0000, 0.0000,
0.0000

162.8411, 0.2681,

0.2557

201.3245, 0.2711,
0.2602

■ 18.8173, 0.2245,
0.1937

■ 18.8173, 0.2245,
0.1937

■ 14.1822, 0.2045,
0.1612

■ 24.5155, 0.2449,
0.2261

■ 10.5420, 0.1861,
0.1304

■ 31.3353, 0.2647,
0.2568

■ 7.8238, 0.1708,
0.1035

■ 39.3333, 0.2832,
0.2851

■ 5.9433, 0.1595,
0.0825

■ 48.5615, 0.3001,
0.3104

■ 4.7930, 0.1528,
0.0686

■ 59.0690, 0.3153,
0.3327

■ 4.6486, 0.1519,
0.0668

■ 70.9022, 0.3286,
0.3522

■ 84.1049, 0.3404,
0.3691

■ 96.9039, 0.3460,
0.3840

Harmonies

Analogous

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



18.8173, 0.1747, 0.1960



18.8173, 0.2245, 0.1937



18.8173, 0.3058, 0.2173

Triad

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



18.8173, 0.2245, 0.1937



18.8173, 0.4967, 0.3871



18.8173, 0.2180, 0.4064

Complementary

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



18.8173, 0.2245, 0.1937



49.5317, 0.3885, 0.4352

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.



18.8173, 0.2965, 0.4900



18.8173, 0.2245, 0.1937



18.8173, 0.4582, 0.4525

Square

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



18.8173, 0.2245, 0.1937



18.8173, 0.4786, 0.3218



18.8173, 0.3841, 0.4998



18.8173, 0.1696, 0.3022

Rectangle

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



18.8173, 0.2245, 0.1937



18.8173, 0.3711, 0.2455



18.8173, 0.3841, 0.4998



18.8173, 0.2416, 0.4403

Sweetspot

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



18.8179, 0.2245, 0.1937



75.1075, 0.2903, 0.2956



47.3579, 0.2557, 0.3452



15.3404, 0.2865, 0.2899



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.



18.8179, 0.2245, 0.1937



24.3871, 0.2033, 0.1592



19.3877, 0.2550, 0.1905



10.4619, 0.2983, 0.3076



3.0512, 0.1522, 0.0680



0.2061, 0.1591, 0.0926

Inverse Universe

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



23.0398, 0.4309, 0.3163



33.2131, 0.4740, 0.3145



49.5338, 0.3510, 0.4597



10.6546, 0.3273, 0.3266



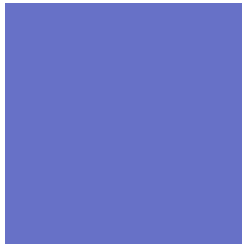
7.8480, 0.6265, 0.3225



0.3778, 0.5872, 0.3008

Previews

White Background



This preview shows how the Yxy color 18.8173, 0.2245, 0.1937 looks on a white background.

Color Contrast Check

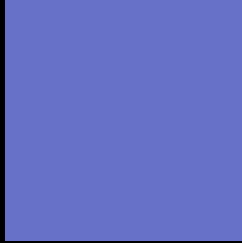
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8173, 0.2245, 0.1937 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 18.8173, 0.2245, 0.1937

Background



This preview shows how black text looks on a background with the Yxy color 18.8173, 0.2245, 0.1937.

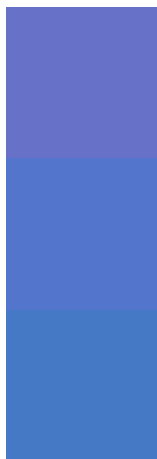


This preview shows how white text looks on a background with the Yxy color 18.8173, 0.2245, 0.1937.

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

18.8173, 0.2245, 0.1937

Protanopia

18.8734, 0.2100, 0.1913

Deuteranopia

19.0081, 0.2070, 0.2024



Tritanopia

18.9162, 0.2588, 0.3088

Trichromacy



Original Color

18.8173, 0.2245, 0.1937

Protanomaly

18.9287, 0.2145, 0.1922

Deuteranomaly

18.8279, 0.2122, 0.1982

Tritanomaly

18.7324, 0.2448, 0.2588

Monochromacy



Original Color

18.8173, 0.2245, 0.1937

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4699, 0.2745, 0.2708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8173, 0.2245, 0.1937 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(103, 113, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 113, 199)  
}
```

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(103, 113, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 113, 199) }
```

Border

The CSS property to change the border of an element to Yxy 18.8173, 0.2245, 0.1937 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(103, 113, 199) }
```

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

```
.border{ border-color:rgb(103, 113, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 113, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 113, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 113, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 113,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8173, 0.2245, 0.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 113, 199) }
```

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

```
.background{ background-color: rgb(103,  
113, 199) }
```

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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