

Converting Colors

$Y_{xy}(15.8823, 0.2231, 0.1832)$

Have a look what the booklet for
Yxy(15.8823, 0.2231, 0.1832)
contains.

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Color

Yxy(15.9170, 0.2230, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	6366BF
RGB	99, 102, 191
RGB Percent	39%, 40%, 75%
CMY	0.6117, 0.6000, 0.2511
CMYK	0.48, 0.47, 0.00, 0.25
HSL	238°, 42%, 57%
HSV	238°, 48%, 75%
XYZ	19.3012, 15.9170, 51.3343
YIQ	111.2490, -30.3570, 27.0430

Conversions

Conversions Part 2

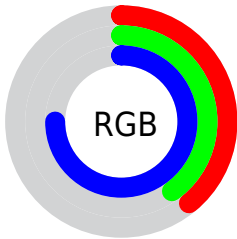
Format	Color
R _Y B	99, 102, 191
Decimal	6514367
CIE Lab	46.87, 22.92, -47.27
CIE LCh	47, 52.535, 295.865
Yxy	15.9170, 0.2230, 0.1839
Android (android.graphics.Color)	4284704447 (0xFF6366BF)
YUV	111.2490, 39.3172, -10.7424
Hunter-Lab	39.8961, 16.5377, -48.3611

Details

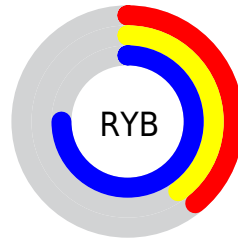
The Yxy color **15.9170, 0.2230, 0.1839** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **47.9463, 0.3844, 0.4418**, and the grayscale version is **15.8643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5283, 0.2433, 0.2123**, and **5.0099, 0.1884, 0.1388** is the 20% darker color. If you saturate the color by 10%, you get **11.7293, 0.2023, 0.1498**, and if you desaturate by 10%, it is **21.1699, 0.2441, 0.2184**.

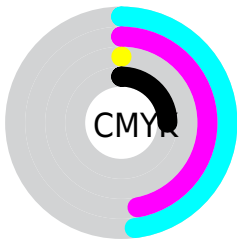
Distribution



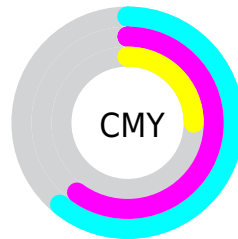
- Red (39%)
- Green (40%)
- Blue (75%)



- Red (39%)
- Yellow (40%)
- Blue (75%)



- Cyan (48%)
- Magenta (47%)
- Yellow (0%)
- Black (25%)



- Cyan (61%)
- Magenta (60%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9170, 0.2230, 0.1839 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 15.9170, 0.2230, 0.1839 by changing the saturation by 10% instead.

■ 15.9170, 0.2230,
0.1839

■ 15.9170, 0.2230,
0.1839

■ 228.8515, 0.2743,
0.2605

■ 9.4654, 0.2084,
0.1645

■ 36.4541, 0.2431,
0.2122

■ 5.0460, 0.1888,
0.1399

■ 51.3083, 0.2502,
0.2228

■ 2.2743, 0.1618,
0.1086

■ 69.7323, 0.2561,
0.2316

■ 0.7600, 0.1240,
0.0691

■ 92.1104, 0.2609,
0.2391

■ 0.0000, 0.0479,
0.0000

■ 118.8269, 0.2651,
0.2456

■ 0.0000, 0.0000,
0.0000

150.2664, 0.2686,

0.2512

186.8131, 0.2716,
0.2561

■ 15.9170, 0.2230,
0.1839

■ 15.9170, 0.2230,
0.1839

■ 11.7293, 0.2023,
0.1498

■ 21.1699, 0.2441,
0.2184

■ 8.5324, 0.1835,
0.1186

■ 27.5521, 0.2644,
0.2514

■ 6.2451, 0.1681,
0.0926

■ 35.1248, 0.2833,
0.2818

■ 4.7727, 0.1573,
0.0739

■ 43.9441, 0.3003,
0.3092

■ 3.9919, 0.1514,
0.0633

■ 54.0627, 0.3154,
0.3332

■ 3.8947, 0.1505,
0.0619

■ 65.5303, 0.3285,
0.3541

■ 78.3938, 0.3399,
0.3722

■ 92.6980, 0.3497,
0.3877

■ 96.5408, 0.3508,
0.3920

Harmonies

Analogous

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



15.9170, 0.1667, 0.1830



15.9170, 0.2230, 0.1839



15.9170, 0.3143, 0.2116

Triad

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



15.9170, 0.2230, 0.1839



15.9170, 0.5122, 0.3953



15.9170, 0.2014, 0.4036

Complementary

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



15.9170, 0.2230, 0.1839



47.9463, 0.3844, 0.4418

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.



15.9170, 0.2837, 0.5044



15.9170, 0.2230, 0.1839



15.9170, 0.4628, 0.4671

Square

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



15.9170, 0.2230, 0.1839



15.9170, 0.5010, 0.3253



15.9170, 0.3789, 0.5197



15.9170, 0.1541, 0.2881

Rectangle

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



15.9170, 0.2230, 0.1839



15.9170, 0.3871, 0.2429



15.9170, 0.3789, 0.5197



15.9170, 0.2257, 0.4435

Sweetspot

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



15.9175, 0.2230, 0.1839



68.8536, 0.2902, 0.2929



43.5350, 0.2515, 0.3334



14.3853, 0.2864, 0.2868



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



15.9175, 0.2230, 0.1839



20.5089, 0.2008, 0.1473



18.4352, 0.2634, 0.1941



9.2734, 0.2984, 0.3061



2.5830, 0.1507, 0.0624



0.1183, 0.1533, 0.0717

Inverse Universe

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



20.9623, 0.4399, 0.3254



30.8096, 0.4868, 0.3250



44.4574, 0.3441, 0.4621



9.5412, 0.3283, 0.3283



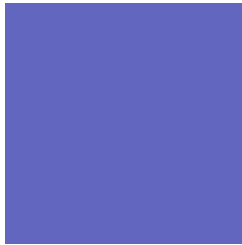
7.2904, 0.6360, 0.3277



0.2873, 0.6204, 0.3191

Previews

White Background



This preview shows how the Yxy color 15.9170, 0.2230, 0.1839 looks on a white background.

Color Contrast Check

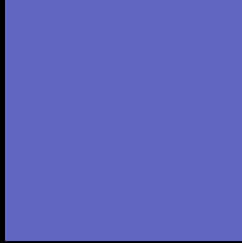
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9170, 0.2230, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

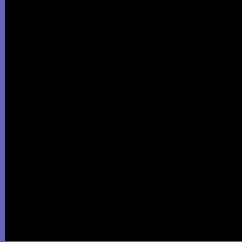
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.9170, 0.2230, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 15.9170, 0.2230, 0.1839.



This preview shows how white text looks on a background with the Yxy color 15.9170, 0.2230, 0.1839.

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

15.9170, 0.2230, 0.1839

Protanopia

16.0216, 0.2013, 0.1802

Deuteranopia

16.0467, 0.1990, 0.1935



Tritanopia

15.9344, 0.2610, 0.3095

Trichromacy



Original Color

15.9170, 0.2230, 0.1839

Protanomaly

15.9537, 0.2081, 0.1813

Deuteranomaly

15.7449, 0.2051, 0.1879

Tritanomaly

15.8166, 0.2450, 0.2545

Monochromacy



Original Color

15.9170, 0.2230, 0.1839

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7444, 0.2743, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9170, 0.2230, 0.1839 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(99, 102, 191)` looks like.

```
.text, #text, p{  
    color:rgb(99, 102, 191)  
}
```

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(99, 102, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 102, 191) }
```

Border

The CSS property to change the border of an element to Yxy 15.9170, 0.2230, 0.1839 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(99, 102, 191) }
```

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

```
.border{ border-color:rgb(99, 102, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 102, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 102, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 102, 191);  
box-shadow:4px 4px 4px 4px rgb(99, 102,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9170, 0.2230, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 102, 191) }
```

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

```
.background{ background-color: rgb(99, 102,  
191) }
```

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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