

Converting Colors

$Y_{xy}(19.8313, 0.2183, 0.1859)$

Have a look what the booklet for
Yxy(19.8313, 0.2183, 0.1859)
contains.

Yxy(19.7394, 0.2182, 0.1853)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7394, 0.2182, 0.1853)

Conversions

Conversions Part 1

Format	Color
Hex	6673D2
RGB	102, 115, 210
RGB Percent	40%, 45%, 82%
CMY	0.5998, 0.5490, 0.1766
CMYK	0.51, 0.45, 0.00, 0.18
HSL	233°, 55%, 61%
HSV	233°, 51%, 82%
XYZ	23.2441, 19.7394, 63.5432
YIQ	121.9430, -38.2430, 26.7890

Conversions

Conversions Part 2

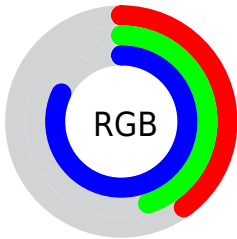
Format	Color
R _Y B	102, 114, 210
Decimal	6714322
CIE Lab	51.54, 21.55, -50.68
CIE LCh	52, 55.075, 293.034
Yxy	19.7394, 0.2182, 0.1853
Android (android.graphics.Color)	4284904402 (0xFF6673D2)
YUV	121.9430, 43.4121, -17.4900
Hunter-Lab	44.4290, 15.6358, -53.6972

Details

The Yxy color $19.7394, 0.2182, 0.1853$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $54.6028, 0.3944, 0.4400$, and the grayscale version is $19.3106, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.2284, 0.2446, 0.2238$, and $6.8523, 0.1858, 0.1441$ is the 20% darker color. If you saturate the color by 10%, you get $14.8641, 0.1987, 0.1533$, and if you desaturate by 10%, it is $25.7714, 0.2385, 0.2175$.

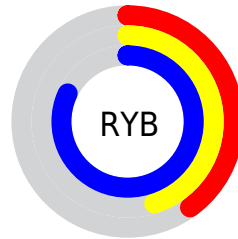
Distribution



Red (40%)

Green (45%)

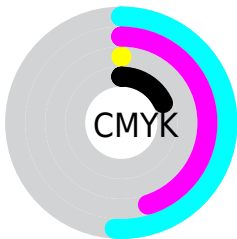
Blue (82%)



Red (40%)

Yellow (45%)

Blue (82%)

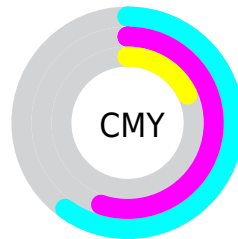


Cyan (51%)

Magenta (45%)

Yellow (0%)

Black (18%)



Cyan (60%)

Magenta (55%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7394, 0.2182, 0.1853 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 19.7394, 0.2182, 0.1853 by changing the saturation by 10% instead.

■ 19.7394, 0.2182,
0.1853

■ 19.7394, 0.2182,
0.1853

250.5008, 0.2702,
0.2589

■ 12.2058, 0.2042,
0.1673

■ 42.9798, 0.2380,
0.2119

■ 6.8840, 0.1860,
0.1450

■ 59.4554, 0.2452,
0.2220

■ 3.3896, 0.1617,
0.1169

■ 79.6804, 0.2511,
0.2306

■ 1.3384, 0.1286,
0.0820

■ 104.0393, 0.2562,
0.2379

■ 0.1706, 0.0853,
0.0211

132.9163, 0.2605,
0.2442

■ 0.0000, 0.0000,
0.0000

166.6960, 0.2642,

0.2497

205.7627, 0.2674,
0.2546

■ 19.7394, 0.2182,
0.1853

■ 19.7394, 0.2182,
0.1853

■ 14.8641, 0.1987,
0.1533

■ 25.7714, 0.2385,
0.2175

■ 11.0687, 0.1812,
0.1236

■ 33.0260, 0.2585,
0.2485

■ 8.2704, 0.1671,
0.0983


■ 41.5665, 0.2775,
0.2772


■ 6.3729, 0.1573,
0.0791


■ 51.4514, 0.2949,
0.3031

■ 5.3558, 0.1523,
0.0681

■ 62.7354, 0.3106,
0.3260

 75.4701, 0.3247,
0.3461

 89.7047, 0.3370,
0.3635

 97.4321, 0.3394,
0.3731

Harmonies

Analogous

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



19.7394, 0.1660, 0.1872



19.7394, 0.2182, 0.1853



19.7394, 0.3048, 0.2102

Triad

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



19.7394, 0.2182, 0.1853



19.7394, 0.5099, 0.3883



19.7394, 0.2103, 0.4130

Complementary

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



19.7394, 0.2182, 0.1853



54.6028, 0.3944, 0.4400

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.



19.7394, 0.2936, 0.5050



19.7394, 0.2182, 0.1853



19.7394, 0.4667, 0.4587

Square

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



19.7394, 0.2182, 0.1853



19.7394, 0.4919, 0.3197



19.7394, 0.3868, 0.5126



19.7394, 0.1600, 0.2987

Rectangle

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



19.7394, 0.2182, 0.1853



19.7394, 0.3754, 0.2398



19.7394, 0.3868, 0.5126



19.7394, 0.2353, 0.4505

Sweetspot

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



19.7401, 0.2182, 0.1853



73.8261, 0.2885, 0.2937



52.8766, 0.2538, 0.3491



15.1004, 0.2848, 0.2882



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.



19.7401, 0.2182, 0.1853



22.2173, 0.1963, 0.1493



19.8806, 0.2482, 0.1796



11.6430, 0.2982, 0.3079



3.3456, 0.1527, 0.0695



0.2650, 0.1594, 0.0939

Inverse Universe

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



24.4475, 0.4414, 0.3135



31.0489, 0.4884, 0.3117



55.6336, 0.3543, 0.4681



11.8310, 0.3272, 0.3262



8.4090, 0.6241, 0.3212



0.4780, 0.5851, 0.2997

Previews

White Background



This preview shows how the Yxy color 19.7394, 0.2182, 0.1853 looks on a white background.

Color Contrast Check

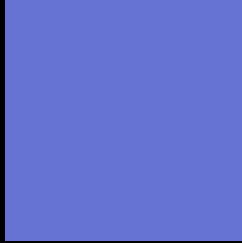
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7394, 0.2182, 0.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

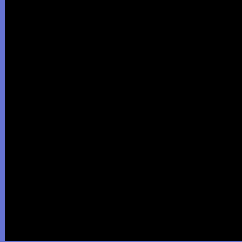
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7394, 0.2182, 0.1853

Background



This preview shows how black text looks on a background with the Yxy color 19.7394, 0.2182, 0.1853.



This preview shows how white text looks on a background with the Yxy color 19.7394, 0.2182, 0.1853.

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

19.7394, 0.2182, 0.1853

Protanopia

19.7110, 0.2034, 0.1826

Deuteranopia

19.9615, 0.1993, 0.1939



Tritanopia

19.8612, 0.2526, 0.3090

Trichromacy



Original Color

19.7394, 0.2182, 0.1853

Protanomaly

19.7872, 0.2080, 0.1836

Deuteranomaly

19.8147, 0.2047, 0.1902

Tritanomaly

19.4951, 0.2381, 0.2545

Monochromacy



Original Color

19.7394, 0.2182, 0.1853

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1716, 0.2711, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7394, 0.2182, 0.1853 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(102, 115, 210)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 210)  
}
```

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(102, 115, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 210) }
```

Border

The CSS property to change the border of an element to Yxy 19.7394, 0.2182, 0.1853 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(102, 115, 210) }
```

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

```
.border{ border-color:rgb(102, 115, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 115, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 210);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7394, 0.2182, 0.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 210) }
```

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

```
.background{ background-color: rgb(102,  
115, 210) }
```

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