

Converting Colors

$Yxy(19.5525, 0.2487, 0.1891)$

Have a look what the booklet for
Yxy(19.5525, 0.2487, 0.1891)
contains.

Yxy(19.5183, 0.2483, 0.1886)	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(19.5183, 0.2483, 0.1886)

Conversions

Conversions Part 1

Format	Color
Hex	8769CA
RGB	135, 105, 202
RGB Percent	53%, 41%, 79%
CMY	0.4707, 0.5881, 0.2079
CMYK	0.33, 0.48, 0.00, 0.21
HSL	259°, 48%, 60%
HSV	259°, 48%, 79%
XYZ	25.6967, 19.5183, 58.2755
YIQ	125.0280, -13.2570, 36.5270

Conversions

Conversions Part 2

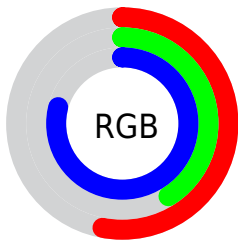
Format	Color
R _Y B	135, 105, 202
Decimal	8874442
CIE _{Lab}	51.29, 33.27, -46.37
CIE _{LCh}	51, 57.071, 305.662
Y _{xy}	19.5183, 0.2483, 0.1886
Android (android.graphics.Color)	4287064522 (0xFF8769CA)
Y _{UV}	125.0280, 37.9472, 8.7454
Hunter-Lab	44.1795, 26.5090, -47.2815

Details

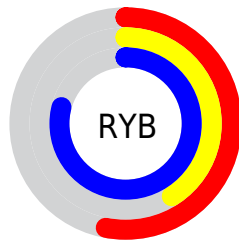
The Yxy color **19.5183, 0.2483, 0.1886** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **52.0259, 0.3570, 0.4564**, and the grayscale version is **20.3914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4103, 0.2658, 0.2185**, and **6.7822, 0.2235, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **14.7979, 0.2313, 0.1572**, and if you desaturate by 10%, it is **25.3690, 0.2645, 0.2207**.

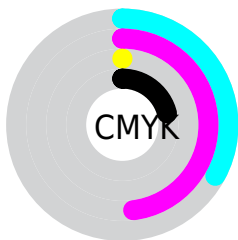
Distribution



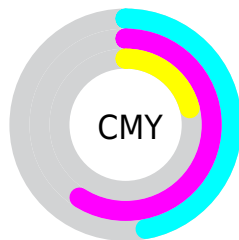
- Red (53%)
- Green (41%)
- Blue (79%)



- Red (53%)
- Yellow (41%)
- Blue (79%)



- Cyan (33%)
- Magenta (48%)
- Yellow (0%)
- Black (21%)





- Cyan (47%)
- Magenta (59%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5183, 0.2483, 0.1886 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 19.5183, 0.2483, 0.1886 by changing the saturation by 10% instead.


 19.5183, 0.2483,
0.1886


 19.5183, 0.2483,
0.1886


249.2953, 0.2854,
0.2600


 12.0454, 0.2377,
0.1711


 42.6081, 0.2628,
0.2145


 6.7746, 0.2233,
0.1493


 58.9937, 0.2680,
0.2242

 3.3215, 0.2032,
0.1216

 79.1191, 0.2722,
0.2325

 1.3018, 0.1740,
0.0867

 103.3686, 0.2757,
0.2396

 0.1426, 0.1339,
0.0201

132.1265, 0.2787,
0.2458

 0.0000, 0.0000,
0.0000

165.7774, 0.2812,

0.2511

204.7055, 0.2834,
0.2558

■ 19.5183, 0.2483,
0.1886

■ 19.5183, 0.2483,
0.1886

■ 14.7979, 0.2313,
0.1572

■ 25.3690, 0.2645,
0.2207

■ 11.1296, 0.2143,
0.1283

■ 32.4168, 0.2794,
0.2521

■ 8.4281, 0.1983,
0.1038

■ 40.7257, 0.2928,
0.2818

■ 6.5934, 0.1842,
0.0854

■ 50.3544, 0.3045,
0.3090

■ 5.4799, 0.1728,
0.0734

■ 61.3581, 0.3146,
0.3337

■ 5.2992, 0.1708,
0.0714

■ 73.7885, 0.3233,
0.3558

■ 87.6948, 0.3306,
0.3753

■ 95.4938, 0.3386,
0.3820

■ 97.0432, 0.3442,
0.3810

Harmonies

Analogous

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



19.5183, 0.1796, 0.1784



19.5183, 0.2483, 0.1886



19.5183, 0.3500, 0.2246

Triad

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



19.5183, 0.2483, 0.1886



19.5183, 0.5038, 0.4195



19.5183, 0.1798, 0.3637

Complementary

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



19.5183, 0.2483, 0.1886



52.0259, 0.3570, 0.4564

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.



19.5183, 0.2529, 0.4814



19.5183, 0.2483, 0.1886



19.5183, 0.4391, 0.4900

Square

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



19.5183, 0.2483, 0.1886



19.5183, 0.5153, 0.3475



19.5183, 0.3480, 0.5277



19.5183, 0.1451, 0.2575

Rectangle

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



19.5183, 0.2483, 0.1886



19.5183, 0.4235, 0.2603



19.5183, 0.3480, 0.5277



19.5183, 0.2002, 0.4056

Sweetspot

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



19.5190, 0.2483, 0.1886



74.9163, 0.2975, 0.2925



37.1134, 0.2418, 0.2857



15.2962, 0.2948, 0.2864



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.



19.5190, 0.2483, 0.1886



24.5060, 0.2300, 0.1548



24.3880, 0.2972, 0.2062



11.0092, 0.3030, 0.3054



3.4525, 0.1720, 0.0721



0.2184, 0.1940, 0.0843

Inverse Universe

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



25.6416, 0.3525, 0.2452



36.4162, 0.3652, 0.2291



47.5667, 0.3189, 0.4734



11.3425, 0.3184, 0.3131



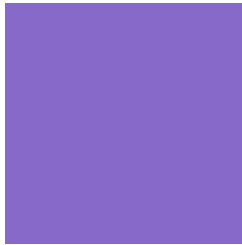
9.3079, 0.4170, 0.2071



0.4934, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 19.5183, 0.2483, 0.1886 looks on a white background.

Color Contrast Check

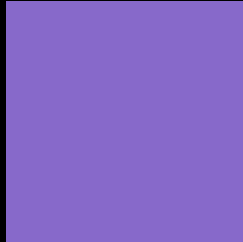
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5183, 0.2483, 0.1886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

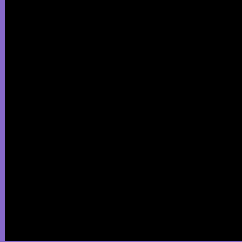
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5183, 0.2483, 0.1886

Background



This preview shows how black text looks on a background with the Yxy color 19.5183, 0.2483, 0.1886.



This preview shows how white text looks on a background with the Yxy color 19.5183, 0.2483, 0.1886.

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

19.5183, 0.2483, 0.1886

Protanopia

19.7196, 0.2025, 0.1815

Deuteranopia

19.7796, 0.2105, 0.2056



Tritanopia

19.5508, 0.3003, 0.3123

Trichromacy



Original Color

19.5183, 0.2483, 0.1886

Protanomaly

19.3404, 0.2158, 0.1831

Deuteranomaly

19.1557, 0.2209, 0.1970

Tritanomaly

19.2851, 0.2787, 0.2585

Monochromacy



Original Color

19.5183, 0.2483, 0.1886

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9239, 0.2873, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5183, 0.2483, 0.1886 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(135, 105, 202)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 202)  
}
```

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(135, 105, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 202) }
```

Border

The CSS property to change the border of an element to Yxy 19.5183, 0.2483, 0.1886 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(135, 105, 202) }
```

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

```
.border{ border-color:rgb(135, 105, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 105, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 105, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 105, 202); box-shadow:4px 4px 4px 4px rgb(135, 105, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5183, 0.2483, 0.1886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 202) }
```

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

```
.background{ background-color: rgb(135,  
105, 202) }
```

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