

Converting Colors

$Y_{xy}(19.5356, 0.2806, 0.2055)$

Have a look what the booklet for
Yxy(19.5356, 0.2806, 0.2055)
contains.

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Color

Yxy(19.4318, 0.2802, 0.2050)

Conversions

Conversions Part 1

Format	Color
Hex	9964BA
RGB	153, 100, 186
RGB Percent	60%, 39%, 73%
CMY	0.3999, 0.6079, 0.2706
CMYK	0.18, 0.46, 0.00, 0.27
HSL	277°, 38%, 56%
HSV	277°, 46%, 73%
XYZ	26.5600, 19.4318, 48.7975
YIQ	125.6510, 3.9820, 37.9820

Conversions

Conversions Part 2

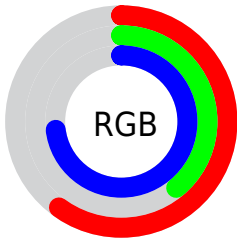
Format	Color
R _Y B	153, 100, 186
Decimal	10052794
CIE Lab	51.19, 37.28, -37.21
CIE LCh	51, 52.675, 315.055
Yxy	19.4318, 0.2802, 0.2050
Android (android.graphics.Color)	4288242874 (0xFF9964BA)
YUV	125.6510, 29.7521, 23.9851
Hunter-Lab	44.0815, 30.4070, -34.7760

Details

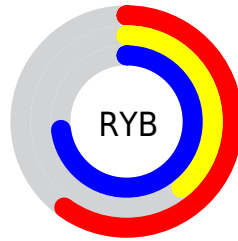
The Yxy color **19.4318, 0.2802, 0.2050** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **41.0143, 0.3319, 0.4611**, and the grayscale version is **20.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4828, 0.2882, 0.2280**, and **6.7429, 0.2656, 0.1689** is the 20% darker color. If you saturate the color by 10%, you get **15.5902, 0.2706, 0.1782**, and if you desaturate by 10%, it is **24.1308, 0.2890, 0.2329**.

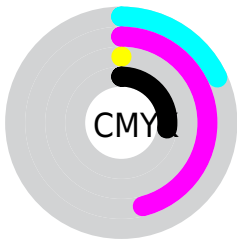
Distribution



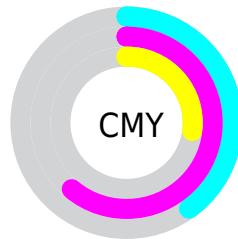
- Red (60%)
- Green (39%)
- Blue (73%)



- Red (60%)
- Yellow (39%)
- Blue (73%)



- Cyan (18%)
- Magenta (46%)
- Yellow (0%)
- Black (27%)





- Cyan (40%)
- Magenta (61%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4318, 0.2802, 0.2050 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 19.4318, 0.2802, 0.2050 by changing the saturation by 10% instead.


 19.4318, 0.2802,
0.2050


 19.4318, 0.2802,
0.2050


248.8223, 0.3002,
0.2690

 11.9827, 0.2739,
0.1888


 42.4625, 0.2884,
0.2285


 6.7319, 0.2649,
0.1682


 58.8128, 0.2912,
0.2373

 3.2950, 0.2515,
0.1413

 78.8991, 0.2935,
0.2446

 1.2876, 0.2301,
0.1057

 103.1056, 0.2953,
0.2510

 0.1316, 0.2002,
0.0251

131.8168, 0.2969,
0.2564

 0.0000, 0.0000,
0.0000

165.4170, 0.2982,

0.2611

204.2907, 0.2993,
0.2653

■ 19.4318, 0.2802,
0.2050

■ 19.4318, 0.2802,
0.2050

■ 15.5902, 0.2706,
0.1782

■ 24.1308, 0.2890,
0.2329

■ 12.5466, 0.2605,
0.1539

■ 29.7362, 0.2968,
0.2609

■ 10.2379, 0.2501,
0.1332


■ 36.2963, 0.3037,
0.2881


■ 8.5897, 0.2400,
0.1171


■ 43.8552, 0.3095,
0.3138


■ 7.5058, 0.2304,
0.1059


■ 52.4540, 0.3145,
0.3378

 7.1700, 0.2269,
0.1023

 62.1317, 0.3186,
0.3598

 72.9251, 0.3220,
0.3798

 84.8693, 0.3247,
0.3979

 89.8436, 0.3286,
0.4028

Harmonies

Analogous

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



19.4318, 0.2046, 0.1874



19.4318, 0.2802, 0.2050



19.4318, 0.3802, 0.2461

Triad

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



19.4318, 0.2802, 0.2050



19.4318, 0.4778, 0.4381



19.4318, 0.1743, 0.3274

Complementary

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



19.4318, 0.2802, 0.2050



41.0143, 0.3319, 0.4611

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.



19.4318, 0.2333, 0.4384



19.4318, 0.2802, 0.2050



19.4318, 0.4081, 0.4965

Square

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



19.4318, 0.2802, 0.2050



19.4318, 0.5049, 0.3696



19.4318, 0.3192, 0.5078



19.4318, 0.1518, 0.2413

Rectangle

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



19.4318, 0.2802, 0.2050



19.4318, 0.4438, 0.2833



19.4318, 0.3192, 0.5078



19.4318, 0.1900, 0.3641

Sweetspot

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



19.4326, 0.2802, 0.2050



68.4008, 0.3049, 0.2934



23.0164, 0.2363, 0.2417



14.4439, 0.3036, 0.2876



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



19.4326, 0.2802, 0.2050



28.4669, 0.2709, 0.1791



22.6828, 0.3296, 0.2291



8.9862, 0.3078, 0.3060



4.8687, 0.2280, 0.1030



0.2060, 0.2523, 0.1164

Inverse Universe

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



21.2420, 0.3870, 0.2832



32.4020, 0.4115, 0.2748



38.9473, 0.2997, 0.4555



9.0677, 0.3229, 0.3203



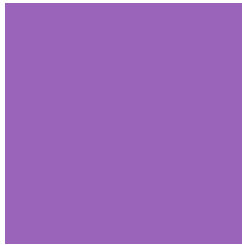
7.3452, 0.5414, 0.2756



0.2712, 0.4716, 0.2372

Previews

White Background



This preview shows how the Yxy color 19.4318, 0.2802, 0.2050 looks on a white background.

Color Contrast Check

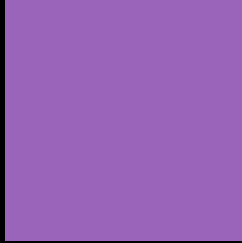
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4318, 0.2802, 0.2050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

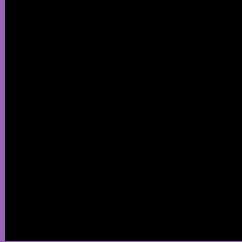
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4318, 0.2802, 0.2050

Background



This preview shows how black text looks on a background with the Yxy color 19.4318, 0.2802, 0.2050.



This preview shows how white text looks on a background with the Yxy color 19.4318, 0.2802, 0.2050.

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

19.4318, 0.2802, 0.2050

Protanopia

19.8194, 0.2141, 0.1971

Deuteranopia

19.7833, 0.2324, 0.2273



Tritanopia

19.3043, 0.3397, 0.3134

Trichromacy



Original Color

19.4318, 0.2802, 0.2050

Protanomaly

19.2862, 0.2329, 0.1982

Deuteranomaly

19.2354, 0.2475, 0.2174

Tritanomaly

19.2156, 0.3168, 0.2683

Monochromacy



Original Color

19.4318, 0.2802, 0.2050

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0949, 0.3007, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4318, 0.2802, 0.2050 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(153, 100, 186)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 186)  
}
```

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(153, 100, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 186) }
```

Border

The CSS property to change the border of an element to Yxy 19.4318, 0.2802, 0.2050 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(153, 100, 186) }
```

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

```
.border{ border-color:rgb(153, 100, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 186);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4318, 0.2802, 0.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 186) }
```

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

```
.background{ background-color: rgb(153,  
100, 186) }
```

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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