

Converting Colors

$Y_{xy}(19.7324, 0.2883, 0.2089)$

Have a look what the booklet for
Yxy(19.7324, 0.2883, 0.2089)
contains.

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Color

Yxy(19.6535, 0.2878, 0.2078)

Conversions

Conversions Part 1

Format	Color
Hex	9E63B8
RGB	158, 99, 184
RGB Percent	62%, 39%, 72%
CMY	0.3802, 0.6118, 0.2784
CMYK	0.14, 0.46, 0.00, 0.28
HSL	282°, 37%, 55%
HSV	282°, 46%, 72%
XYZ	27.2198, 19.6535, 47.7056
YIQ	126.3310, 7.8790, 38.9430

Conversions

Conversions Part 2

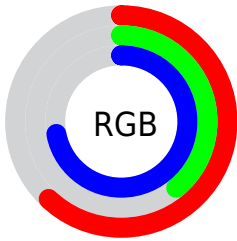
Format	Color
R _Y B	158, 99, 184
Decimal	10380216
CIE Lab	51.44, 38.87, -35.62
CIE LCh	51, 52.724, 317.497
Yxy	19.6535, 0.2878, 0.2078
Android (android.graphics.Color)	4288570296 (0xFF9E63B8)
YUV	126.3310, 28.4308, 27.7737
Hunter-Lab	44.3323, 32.0167, -32.7689

Details

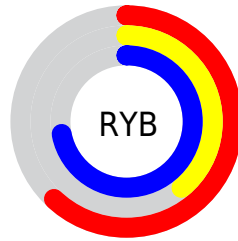
The Yxy color **19.6535, 0.2878, 0.2078** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **39.5367, 0.3262, 0.4633**, and the grayscale version is **20.8823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7206, 0.2946, 0.2309**, and **6.8962, 0.2765, 0.1734** is the 20% darker color. If you saturate the color by 10%, you get **16.0000, 0.2803, 0.1824**, and if you desaturate by 10%, it is **24.1289, 0.2946, 0.2346**.

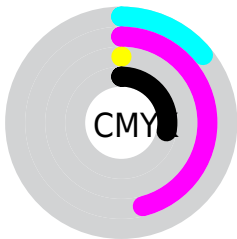
Distribution



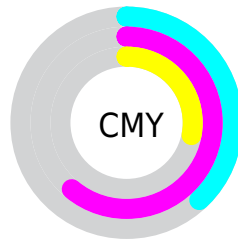
- Red (62%)
- Green (39%)
- Blue (72%)



- Red (62%)
- Yellow (39%)
- Blue (72%)



- Cyan (14%)
- Magenta (46%)
- Yellow (0%)
- Black (28%)





- Cyan (38%)
- Magenta (61%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6535, 0.2878, 0.2078 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 19.6535, 0.2878, 0.2078 by changing the saturation by 10% instead.


 19.6535, 0.2878,
0.2078


 19.6535, 0.2878,
0.2078


250.0331, 0.3036,
0.2703


 12.1434, 0.2826,
0.1920


 42.8355, 0.2944,
0.2308

 6.8414, 0.2751,
0.1717


 59.2762, 0.2967,
0.2393

 3.3631, 0.2638,
0.1453


 79.4625, 0.2984,
0.2466

 1.3241, 0.2451,
0.1100

 103.7790, 0.2999,
0.2527

 0.1598, 0.2192,
0.0310

132.6098, 0.3011,
0.2580

 0.0000, 0.0304,
0.0000

166.3395, 0.3021,

 0.0000, 0.0000,

0.2626

0.0000

205.3525, 0.3029,
0.2667

■ 19.6535, 0.2878,
0.2078

■ 19.6535, 0.2878,
0.2078

■ 16.0000, 0.2803,
0.1824

■ 24.1289, 0.2946,
0.2346

■ 13.1109, 0.2723,
0.1595

■ 29.4735, 0.3007,
0.2618

■ 10.9250, 0.2641,
0.1403


■ 35.7339, 0.3059,
0.2885


■ 9.3706, 0.2559,
0.1256

■ 42.9529, 0.3103,
0.3140

■ 8.3542, 0.2480,
0.1156


■ 51.1701, 0.3140,
0.3379

 8.0358, 0.2450,
0.1123

 60.4231, 0.3171,
0.3600

 70.7476, 0.3195,
0.3802

 82.1774, 0.3215,
0.3986

 88.4782, 0.3242,
0.4063

Harmonies

Analogous

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



19.6535, 0.2097, 0.1882



19.6535, 0.2878, 0.2078



19.6535, 0.3883, 0.2505

Triad

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



19.6535, 0.2878, 0.2078



19.6535, 0.4730, 0.4434



19.6535, 0.1715, 0.3190

Complementary

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



19.6535, 0.2878, 0.2078



39.5367, 0.3262, 0.4633

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.



19.6535, 0.2275, 0.4295



19.6535, 0.2878, 0.2078



19.6535, 0.4012, 0.4994

Square

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



19.6535, 0.2878, 0.2078



19.6535, 0.5043, 0.3751



19.6535, 0.3119, 0.5047



19.6535, 0.1519, 0.2365

Rectangle

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



19.6535, 0.2878, 0.2078



19.6535, 0.4501, 0.2884



19.6535, 0.3119, 0.5047



19.6535, 0.1861, 0.3548

Sweetspot

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



19.6543, 0.2878, 0.2078



67.2172, 0.3068, 0.2936



21.0096, 0.2346, 0.2321



13.9191, 0.3058, 0.2880



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



19.6543, 0.2878, 0.2078



29.1735, 0.2805, 0.1831



21.9532, 0.3365, 0.2358



9.0214, 0.3090, 0.3061



5.5768, 0.2459, 0.1128



0.2275, 0.2660, 0.1239

Inverse Universe

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



20.5898, 0.3967, 0.2925



31.3113, 0.4250, 0.2859



38.1603, 0.2961, 0.4456



9.0562, 0.3241, 0.3220



7.2324, 0.5711, 0.2920



0.2664, 0.4959, 0.2505

Previews

White Background



This preview shows how the Yxy color 19.6535, 0.2878, 0.2078 looks on a white background.

Color Contrast Check

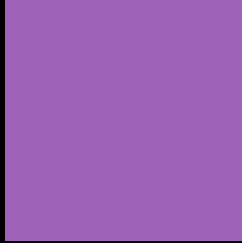
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6535, 0.2878, 0.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

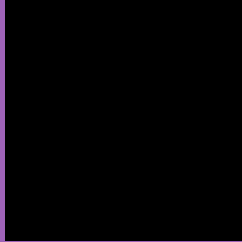
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6535, 0.2878, 0.2078

Background



This preview shows how black text looks on a background with the Yxy color 19.6535, 0.2878, 0.2078.



This preview shows how white text looks on a background with the Yxy color 19.6535, 0.2878, 0.2078.

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

19.6535, 0.2878, 0.2078

Protanopia

19.9184, 0.2153, 0.1975

Deuteranopia

19.8670, 0.2361, 0.2306



Tritanopia

19.6050, 0.3492, 0.3139

Trichromacy



Original Color

19.6535, 0.2878, 0.2078

Protanomaly

19.2187, 0.2359, 0.1986

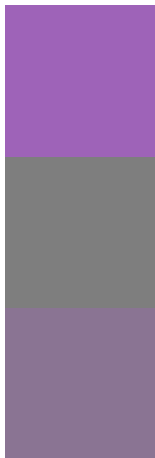
Deuteranomaly

19.3639, 0.2519, 0.2207

Tritanomaly

19.4449, 0.3245, 0.2694

Monochromacy



Original Color

19.6535, 0.2878, 0.2078

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0006, 0.3042, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6535, 0.2878, 0.2078 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(158, 99, 184)` looks like.

```
.text, #text, p{  
    color:rgb(158, 99, 184)  
}
```

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(158, 99, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 99, 184) }
```

Border

The CSS property to change the border of an element to Yxy 19.6535, 0.2878, 0.2078 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(158, 99, 184) }
```

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

```
.border{ border-color:rgb(158, 99, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 99, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 99, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 99, 184);  
box-shadow:4px 4px 4px 4px rgb(158, 99,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6535, 0.2878, 0.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 99, 184) }
```

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

```
.background{ background-color: rgb(158, 99,  
184) }
```

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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