

Converting Colors

$Y_{xy}(20.1250, 0.2804, 0.1858)$

Have a look what the booklet for
Yxy(20.1250, 0.2804, 0.1858)
contains.

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Color

Yxy(20.0868, 0.2808, 0.1861)

Conversions

Conversions Part 1

Format	Color
Hex	A75CC9
RGB	167, 92, 201
RGB Percent	65%, 36%, 79%
CMY	0.3450, 0.6392, 0.2117
CMYK	0.17, 0.54, 0.00, 0.21
HSL	281°, 50%, 57%
HSV	281°, 54%, 79%
XYZ	30.3083, 20.0868, 57.5404
YIQ	126.8510, 9.7110, 49.7990

Conversions

Conversions Part 2

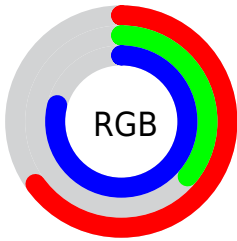
Format	Color
RYB	167, 92, 201
Decimal	10968265
CIELab	51.94, 48.77, -44.57
CIELCh	52, 66.066, 317.579
Yxy	20.0868, 0.2808, 0.1861
Android (android.graphics.Color)	4289158345 (0xFFA75CC9)
YUV	126.8510, 36.5555, 35.2107
Hunter-Lab	44.8183, 42.2783, -44.7473

Details

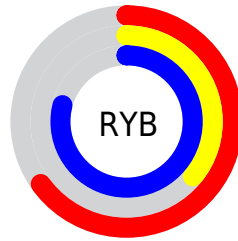
The Yxy color **20.0868, 0.2808, 0.1861** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **46.9825, 0.3275, 0.4897**, and the grayscale version is **21.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3181, 0.2915, 0.2143**, and **7.0377, 0.2656, 0.1480** is the 20% darker color. If you saturate the color by 10%, you get **16.3890, 0.2726, 0.1625**, and if you desaturate by 10%, it is **24.7430, 0.2884, 0.2121**.

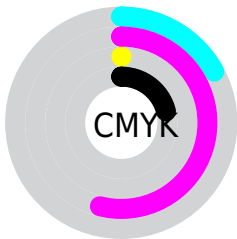
Distribution



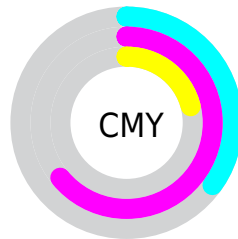
- Red (65%)
- Green (36%)
- Blue (79%)



- Red (65%)
- Yellow (36%)
- Blue (79%)



- Cyan (17%)
- Magenta (54%)
- Yellow (0%)
- Black (21%)




- Cyan (35%)
- Magenta (64%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0868, 0.2808, 0.1861 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 20.0868, 0.2808, 0.1861 by changing the saturation by 10% instead.


 20.0868, 0.2808,
0.1861


 20.0868, 0.2808,
0.1861


252.3846, 0.3011,
0.2574


 12.4582, 0.2744,
0.1690


 43.5627, 0.2892,
0.2116


 7.0565, 0.2653,
0.1478


 60.1787, 0.2920,
0.2213

 3.4975, 0.2519,
0.1211


 80.5593, 0.2943,
0.2296

 1.3966, 0.2311,
0.0877

 105.0888, 0.2962,
0.2367

 0.2142, 0.2007,
0.0282

134.1517, 0.2977,
0.2429

 0.0000, 0.1128,
0.0000

168.1324, 0.2990,

 0.0000, 0.0000,

0.2483

0.0000

207.4152, 0.3001,
0.2531

■ 20.0868, 0.2808,
0.1861

■ 20.0868, 0.2808,
0.1861

■ 16.3890, 0.2726,
0.1625

■ 24.7430, 0.2884,
0.2121

■ 13.5720, 0.2642,
0.1424

■ 30.4221, 0.2953,
0.2393

■ 11.5494, 0.2557,
0.1268

■ 37.1861, 0.3014,
0.2667

■ 10.2162, 0.2476,
0.1159

■ 45.0909, 0.3066,
0.2934

■ 9.6486, 0.2430,
0.1112

■ 54.1887, 0.3111,
0.3187

■ 64.5285, 0.3148,
0.3425

■ 76.1563, 0.3178,
0.3643

■ 89.1159, 0.3202,
0.3842

■ 91.4923, 0.3240,
0.3857

Harmonies

Analogous

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



20.0868, 0.1894, 0.1635



20.0868, 0.2808, 0.1861



20.0868, 0.4052, 0.2346

Triad

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



20.0868, 0.2808, 0.1861



20.0868, 0.4993, 0.4557



20.0868, 0.1434, 0.3120

Complementary

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



20.0868, 0.2808, 0.1861



46.9825, 0.3275, 0.4897

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.



20.0868, 0.2058, 0.4568



20.0868, 0.2808, 0.1861



20.0868, 0.4098, 0.5329

Square

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



20.0868, 0.2808, 0.1861



20.0868, 0.5445, 0.3745



20.0868, 0.3042, 0.5527



20.0868, 0.1239, 0.2140

Rectangle

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



20.0868, 0.2808, 0.1861



20.0868, 0.4831, 0.2774



20.0868, 0.3042, 0.5527



20.0868, 0.1591, 0.3578

Sweetspot

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



20.0876, 0.2808, 0.1861



74.3409, 0.3057, 0.2881



21.5459, 0.2199, 0.2107



15.2899, 0.3046, 0.2826



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.



20.0876, 0.2808, 0.1861



27.1475, 0.2712, 0.1588



23.4085, 0.3421, 0.2208



10.6444, 0.3089, 0.3059



6.1168, 0.2441, 0.1118



0.3268, 0.2606, 0.1209

Inverse Universe

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



21.5775, 0.4197, 0.2858



30.3675, 0.4578, 0.2801



45.2198, 0.2940, 0.4710



10.6905, 0.3241, 0.3218



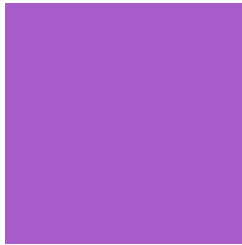
8.0457, 0.5697, 0.2912



0.3942, 0.5093, 0.2579

Previews

White Background



This preview shows how the Yxy color 20.0868, 0.2808, 0.1861 looks on a white background.

Color Contrast Check

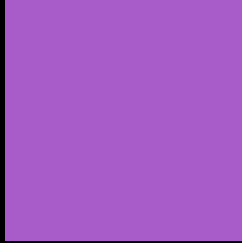
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0868, 0.2808, 0.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

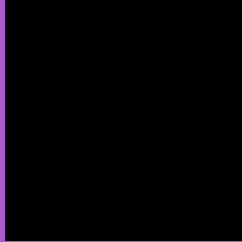
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0868, 0.2808, 0.1861

Background



This preview shows how black text looks on a background with the Yxy color 20.0868, 0.2808, 0.1861.



This preview shows how white text looks on a background with the Yxy color 20.0868, 0.2808, 0.1861.

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

20.0868, 0.2808, 0.1861

Protanopia

20.5783, 0.1946, 0.1714

Deuteranopia

20.3339, 0.2184, 0.2125



Tritanopia

20.1593, 0.3585, 0.3159

Trichromacy



Original Color

20.0868, 0.2808, 0.1861



Protanomaly

19.2171, 0.2147, 0.1715



Deuteranomaly

19.2644, 0.2352, 0.1975



Tritanomaly

19.6761, 0.3276, 0.2593

Monochromacy



Original Color

20.0868, 0.2808, 0.1861



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.1185, 0.3012, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0868, 0.2808, 0.1861 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(167, 92, 201)` looks like.

```
.text, #text, p{  
    color:rgb(167, 92, 201)  
}
```

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(167, 92, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 92, 201) }
```

Border

The CSS property to change the border of an element to Yxy 20.0868, 0.2808, 0.1861 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(167, 92, 201) }
```

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

```
.border{ border-color:rgb(167, 92, 201) }
```

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

Here you see how a box with a 4 pixel rgb(167, 92, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 92, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 92, 201);  
box-shadow:4px 4px 4px 4px rgb(167, 92,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0868, 0.2808, 0.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 92, 201) }
```

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

```
.background{ background-color: rgb(167, 92,  
201) }
```

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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