

Converting Colors

$Y_{xy}(20.8806, 0.2633, 0.1896)$

Have a look what the booklet for
Yxy(20.8806, 0.2633, 0.1896)
contains.

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Color

Yxy(20.8806, 0.2633, 0.1896)

Conversions

Conversions Part 1

Format	Color
Hex	9967CD
RGB	153, 103, 205
RGB Percent	60%, 40%, 80%
CMY	0.4002, 0.5959, 0.1961
CMYK	0.25, 0.50, 0.00, 0.20
HSL	269°, 50%, 60%
HSV	269°, 50%, 80%
XYZ	28.9972, 20.8806, 60.2520
YIQ	129.5780, -2.9420, 42.3220

Conversions

Conversions Part 2

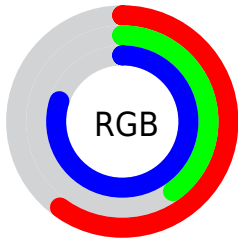
Format	Color
R _Y B	153, 103, 205
Decimal	10053581
CIE Lab	52.82, 39.96, -45.54
CIE LCh	53, 60.593, 311.266
Yxy	20.8806, 0.2633, 0.1896
Android (android.graphics.Color)	4288243661 (0xFF9967CD)
YUV	129.5780, 37.1830, 20.5411
Hunter-Lab	45.6953, 33.3051, -46.1907

Details

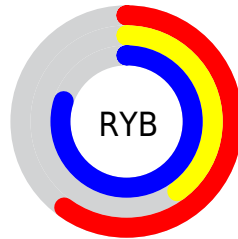
The Yxy color **20.8806, 0.2633, 0.1896** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.6135, 0.3430, 0.4682**, and the grayscale version is **22.0346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2180, 0.2797, 0.2206**, and **7.4930, 0.2436, 0.1525** is the 20% darker color. If you saturate the color by 10%, you get **16.3162, 0.2501, 0.1612**, and if you desaturate by 10%, it is **26.5355, 0.2757, 0.2193**.

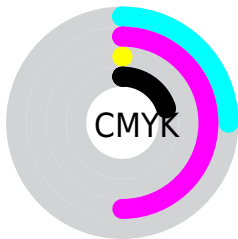
Distribution



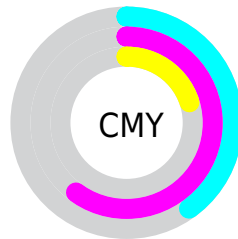
- Red (60%)
- Green (40%)
- Blue (80%)



- Red (60%)
- Yellow (40%)
- Blue (80%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)





- Cyan (40%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8806, 0.2633, 0.1896 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 20.8806, 0.2633, 0.1896 by changing the saturation by 10% instead.


 20.8806, 0.2633,
0.1896


 20.8806, 0.2633,
0.1896


256.6433, 0.2924,
0.2594


 13.0368, 0.2548,
0.1728


 44.8887, 0.2748,
0.2147


 7.4539, 0.2431,
0.1518


 61.8218, 0.2789,
0.2242

 3.7475, 0.2266,
0.1254


 82.5534, 0.2822,
0.2323

 1.5334, 0.2021,
0.0921

 107.4680, 0.2849,
0.2393

 0.3120, 0.1663,
0.0384

136.9498, 0.2872,
0.2453

 0.0000, 0.0672,
0.0000

171.3834, 0.2892,

 0.0000, 0.0000,

0.2506

0.0000

211.1531, 0.2909,
0.2553

■ 20.8806, 0.2633,
0.1896

■ 20.8806, 0.2633,
0.1896

■ 16.3162, 0.2501,
0.1612

■ 26.5355, 0.2757,
0.2193

■ 12.7633, 0.2367,
0.1357

■ 33.3475, 0.2869,
0.2490

■ 10.1355, 0.2234,
0.1144

■ 41.3805, 0.2968,
0.2777

■ 8.3302, 0.2110,
0.0985

■ 50.6932, 0.3055,
0.3047

■ 7.1639, 0.1999,
0.0876

■ 61.3400, 0.3129,
0.3296

7.1364, 0.1996,
0.0873

73.3725, 0.3191,
0.3523

86.8394, 0.3244,
0.3728

93.8727, 0.3303,
0.3800

95.7233, 0.3372,
0.3789

Harmonies

Analogous

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



20.8806, 0.1859, 0.1739



20.8806, 0.2633, 0.1896



20.8806, 0.3729, 0.2308

Triad

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



20.8806, 0.2633, 0.1896



20.8806, 0.5000, 0.4348



20.8806, 0.1656, 0.3408

Complementary

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



20.8806, 0.2633, 0.1896



51.6135, 0.3430, 0.4682

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.



20.8806, 0.2336, 0.4684



20.8806, 0.2633, 0.1896



20.8806, 0.4256, 0.5059

Square

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



20.8806, 0.2633, 0.1896



20.8806, 0.5255, 0.3602



20.8806, 0.3292, 0.5346



20.8806, 0.1380, 0.2394

Rectangle

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



20.8806, 0.2633, 0.1896



20.8806, 0.4471, 0.2694



20.8806, 0.3292, 0.5346



20.8806, 0.1839, 0.3839

Sweetspot

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



20.8814, 0.2633, 0.1896



74.4599, 0.3009, 0.2902



30.9728, 0.2339, 0.2546



15.2554, 0.2990, 0.2844



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.



20.8814, 0.2633, 0.1896



26.0578, 0.2488, 0.1585



26.8517, 0.3165, 0.2094



11.1090, 0.3058, 0.3056



4.4995, 0.2011, 0.0881



0.2773, 0.2228, 0.1001

Inverse Universe

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



25.0541, 0.3785, 0.2638



34.0622, 0.4010, 0.2518



47.6243, 0.3064, 0.4852



11.3077, 0.3211, 0.3172



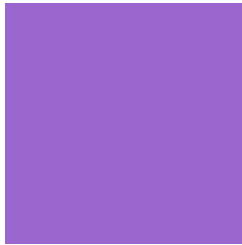
8.7297, 0.4898, 0.2472



0.4657, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 20.8806, 0.2633, 0.1896 looks on a white background.

Color Contrast Check

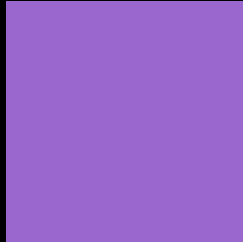
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8806, 0.2633, 0.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

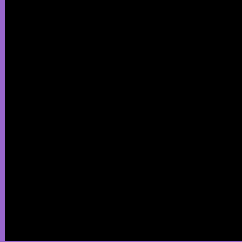
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8806, 0.2633, 0.1896

Background



This preview shows how black text looks on a background with the Yxy color 20.8806, 0.2633, 0.1896.



This preview shows how white text looks on a background with the Yxy color 20.8806, 0.2633, 0.1896.

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

20.8806, 0.2633, 0.1896

Protanopia

21.2100, 0.2008, 0.1792

Deuteranopia

21.0231, 0.2159, 0.2098



Tritanopia

20.8619, 0.3258, 0.3135

Trichromacy



Original Color

20.8806, 0.2633, 0.1896

Protanomaly

20.5647, 0.2176, 0.1810

Deuteranomaly

20.5361, 0.2295, 0.2000

Tritanomaly

20.4887, 0.3015, 0.2598

Monochromacy



Original Color

20.8806, 0.2633, 0.1896

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.2705, 0.2935, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8806, 0.2633, 0.1896 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, 103, 205)` looks like.

```
.text, #text, p{  
    color:rgb(153, 103, 205)  
}
```

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, 103, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 103, 205) }
```

Border

The CSS property to change the border of an element to Yxy 20.8806, 0.2633, 0.1896 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, 103, 205) }
```

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

```
.border{ border-color:rgb(153, 103, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 103, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 103, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 103, 205);  
box-shadow:4px 4px 4px 4px rgb(153, 103,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8806, 0.2633, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 103, 205) }
```

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

```
.background{ background-color: rgb(153,  
103, 205) }
```

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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