

Converting Colors

$Y_{xy}(19.7826, 0.2369, 0.1758)$

Have a look what the booklet for
Yxy(19.7826, 0.2369, 0.1758)
contains.

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Color

Yxy(19.8637, 0.2371, 0.1764)

Conversions

Conversions Part 1

Format	Color
Hex	8469D6
RGB	132, 105, 214
RGB Percent	52%, 41%, 84%
CMY	0.4825, 0.5881, 0.1608
CMYK	0.38, 0.51, 0.00, 0.16
HSL	255°, 57%, 63%
HSV	255°, 51%, 84%
XYZ	26.6989, 19.8637, 66.0434
YIQ	125.4990, -18.8970, 39.6230

Conversions

Conversions Part 2

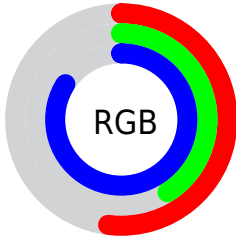
Format	Color
R _Y B	132, 105, 214
Decimal	8677846
CIE Lab	51.68, 35.72, -52.60
CIE LCh	52, 63.586, 304.179
Yxy	19.8637, 0.2371, 0.1764
Android (android.graphics.Color)	4286867926 (0xFF8469D6)
YUV	125.4990, 43.6310, 5.7014
Hunter-Lab	44.5687, 28.9352, -56.6598

Details

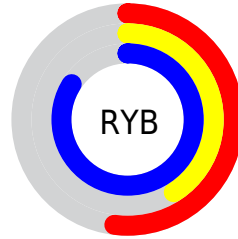
The Yxy color **19.8637, 0.2371, 0.1764** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.6855, 0.3646, 0.4620**, and the grayscale version is **20.5394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1528, 0.2643, 0.2181**, and **6.9314, 0.2095, 0.1368** is the 20% darker color. If you saturate the color by 10%, you get **14.8394, 0.2189, 0.1446**, and if you desaturate by 10%, it is **26.1867, 0.2549, 0.2094**.

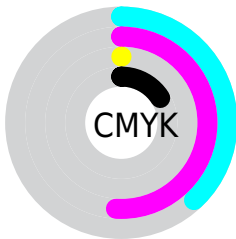
Distribution



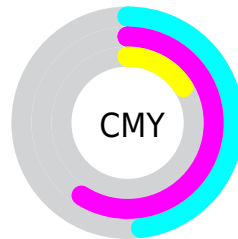
- Red (52%)
- Green (41%)
- Blue (84%)



- Red (52%)
- Yellow (41%)
- Blue (84%)



- Cyan (38%)
- Magenta (51%)
- Yellow (0%)
- Black (16%)





- Cyan (48%)
- Magenta (59%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8637, 0.2371, 0.1764 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 19.8637, 0.2371, 0.1764 by changing the saturation by 10% instead.


 19.8637, 0.2371,
0.1764


 19.8637, 0.2371,
0.1764


251.1763, 0.2799,
0.2526


 12.2960, 0.2252,
0.1584


 43.1885, 0.2537,
0.2035


 6.9456, 0.2095,
0.1363


 59.7145, 0.2596,
0.2139

 3.4281, 0.1880,
0.1090

 79.9953, 0.2645,
0.2228

 1.3591, 0.1580,
0.0758

 104.4154, 0.2686,
0.2304

 0.1863, 0.1177,
0.0206

133.3591, 0.2721,
0.2370

 0.0000, 0.0000,
0.0000

167.2109, 0.2751,

0.2429

206.3552, 0.2777,
0.2480

■ 19.8637, 0.2371,
0.1764

■ 19.8637, 0.2371,
0.1764

■ 14.8394, 0.2189,
0.1446

■ 26.1867, 0.2549,
0.2094

■ 11.0185, 0.2013,
0.1162

■ 33.8901, 0.2716,
0.2419

■ 8.2959, 0.1855,
0.0930

■ 43.0511, 0.2867,
0.2727

■ 6.5465, 0.1725,
0.0767

■ 53.7408, 0.3001,
0.3011

■ 5.6088, 0.1635,
0.0674

■ 66.0252, 0.3117,
0.3268

■ 79.9669, 0.3217,
0.3496

■ 95.6247, 0.3302,
0.3698

■ 97.6349, 0.3370,
0.3691

Harmonies

Analogous

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



19.8637, 0.1661, 0.1667



19.8637, 0.2371, 0.1764



19.8637, 0.3469, 0.2132

Triad

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



19.8637, 0.2371, 0.1764



19.8637, 0.5217, 0.4181



19.8637, 0.1700, 0.3732

Complementary

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



19.8637, 0.2371, 0.1764



59.6855, 0.3646, 0.4620

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.



19.8637, 0.2497, 0.5059



19.8637, 0.2371, 0.1764



19.8637, 0.4508, 0.4976

Square

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



19.8637, 0.2371, 0.1764



19.8637, 0.5340, 0.3417



19.8637, 0.3524, 0.5486



19.8637, 0.1325, 0.2532

Rectangle

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



19.8637, 0.2371, 0.1764



19.8637, 0.4290, 0.2505



19.8637, 0.3524, 0.5486



19.8637, 0.1923, 0.4211

Sweetspot

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



19.8644, 0.2371, 0.1764



72.9185, 0.2946, 0.2895



44.0701, 0.2399, 0.2931



14.8863, 0.2918, 0.2834



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.



19.8644, 0.2371, 0.1764



21.6233, 0.2177, 0.1426



25.2691, 0.2883, 0.1959



12.1555, 0.3019, 0.3052



3.4315, 0.1647, 0.0681



0.2462, 0.1825, 0.0779

Inverse Universe

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



27.9941, 0.3480, 0.2333



35.2559, 0.3581, 0.2169



54.1875, 0.3238, 0.4815



12.5778, 0.3175, 0.3116



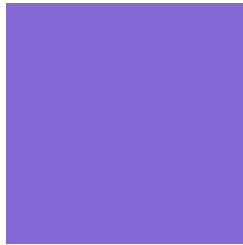
10.2161, 0.3948, 0.1948



0.6290, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 19.8637, 0.2371, 0.1764 looks on a white background.

Color Contrast Check

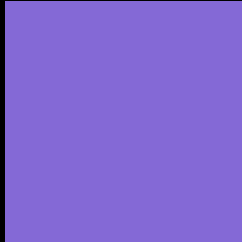
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8637, 0.2371, 0.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

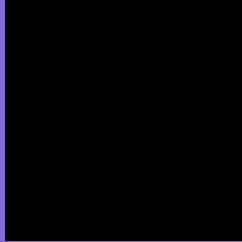
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8637, 0.2371, 0.1764

Background



This preview shows how black text looks on a background with the Yxy color 19.8637, 0.2371, 0.1764.



This preview shows how white text looks on a background with the Yxy color 19.8637, 0.2371, 0.1764.

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

19.8637, 0.2371, 0.1764

Protanopia

20.2277, 0.1930, 0.1695

Deuteranopia

20.0291, 0.1982, 0.1917



Tritanopia

19.7139, 0.2903, 0.3102

Trichromacy



Original Color

19.8637, 0.2371, 0.1764

Protanomaly

19.8133, 0.2049, 0.1709

Deuteranomaly

19.4042, 0.2080, 0.1838

Tritanomaly

19.4319, 0.2688, 0.2504

Monochromacy



Original Color

19.8637, 0.2371, 0.1764

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9804, 0.2822, 0.2627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8637, 0.2371, 0.1764 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(132, 105, 214)` looks like.

```
.text, #text, p{  
    color:rgb(132, 105, 214)  
}
```

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(132, 105, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 105, 214) }
```

Border

The CSS property to change the border of an element to Yxy 19.8637, 0.2371, 0.1764 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(132, 105, 214) }
```

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

```
.border{ border-color:rgb(132, 105, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 105, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 105, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 105, 214);  
box-shadow:4px 4px 4px 4px rgb(132, 105,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8637, 0.2371, 0.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 105, 214) }
```

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

```
.background{ background-color: rgb(132,  
105, 214) }
```

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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