

Converting Colors

$Y_{xy}(22.2688, 0.2780, 0.1952)$

Have a look what the booklet for
Yxy(22.2688, 0.2780, 0.1952)
contains.

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Color

Yxy(22.3238, 0.2777, 0.1949)

Conversions

Conversions Part 1

Format	Color
Hex	A767CD
RGB	167, 103, 205
RGB Percent	65%, 40%, 80%
CMY	0.3451, 0.5961, 0.1960
CMYK	0.19, 0.50, 0.00, 0.20
HSL	278°, 51%, 60%
HSV	278°, 50%, 80%
XYZ	31.8077, 22.3238, 60.4083
YIQ	133.7640, 5.4020, 45.2900

Conversions

Conversions Part 2

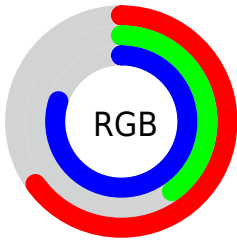
Format	Color
R _Y B	167, 103, 205
Decimal	10971085
CIE Lab	54.37, 43.82, -43.01
CIE LCh	54, 61.406, 315.534
Yxy	22.3238, 0.2777, 0.1949
Android (android.graphics.Color)	4289161165 (0xFFA767CD)
YUV	133.7640, 35.1193, 29.1480
Hunter-Lab	47.2481, 37.4832, -42.7306

Details

The Yxy color **22.3238, 0.2777, 0.1949** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.3217, 0.3319, 0.4735**, and the grayscale version is **23.6169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8442, 0.2918, 0.2252**, and **8.1930, 0.2620, 0.1595** is the 20% darker color. If you saturate the color by 10%, you get **17.9260, 0.2681, 0.1689**, and if you desaturate by 10%, it is **27.7724, 0.2866, 0.2226**.

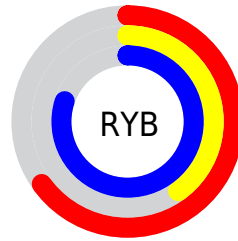
Distribution



Red (65%)

Green (40%)

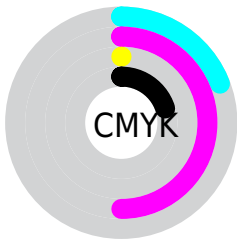
Blue (80%)



Red (65%)

Yellow (40%)

Blue (80%)

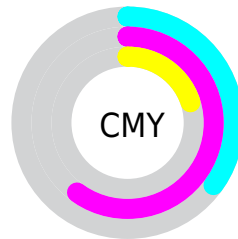


Cyan (19%)

Magenta (50%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (60%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3238, 0.2777, 0.1949 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 22.3238, 0.2777, 0.1949 by changing the saturation by 10% instead.


 22.3238, 0.2777,
0.1949

 22.3238, 0.2777,
0.1949


264.2326, 0.2990,
0.2616


 14.0950, 0.2712,
0.1789


 47.2806, 0.2863,
0.2188

 8.1868, 0.2623,
0.1590


 64.7774, 0.2893,
0.2279

 4.2147, 0.2494,
0.1337


 86.1323, 0.2917,
0.2356

 1.7944, 0.2297,
0.1016

 111.7297, 0.2937,
0.2422

 0.4837, 0.1991,
0.0555

141.9541, 0.2953,
0.2480

 0.0000, 0.1344,
0.0000

177.1898, 0.2967,

 0.0000, 0.0000,

0.2531

0.0000

217.8211, 0.2979,
0.2576

■ 22.3238, 0.2777,
0.1949

■ 22.3238, 0.2777,
0.1949

■ 17.9260, 0.2681,
0.1689

■ 27.7724, 0.2866,
0.2226

■ 14.5012, 0.2580,
0.1459

■ 34.3370, 0.2946,
0.2507

■ 11.9645, 0.2479,
0.1271


■ 42.0801, 0.3017,
0.2783

■ 10.2148, 0.2381,
0.1131

■ 51.0593, 0.3077,
0.3048


■ 9.0696, 0.2289,
0.1035

■ 61.3278, 0.3128,
0.3296

 9.0449, 0.2287,
0.1033

 72.9360, 0.3171,
0.3524

 85.9314, 0.3206,
0.3733

 92.4460, 0.3247,
0.3809

 93.7249, 0.3297,
0.3801

Harmonies

Analogous

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



22.3238, 0.1954, 0.1755



22.3238, 0.2777, 0.1949



22.3238, 0.3888, 0.2391

Triad

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



22.3238, 0.2777, 0.1949



22.3238, 0.4906, 0.4451



22.3238, 0.1604, 0.3236

Complementary

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



22.3238, 0.2777, 0.1949



50.3217, 0.3319, 0.4735

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.



22.3238, 0.2225, 0.4505



22.3238, 0.2777, 0.1949



22.3238, 0.4122, 0.5127

Square

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



22.3238, 0.2777, 0.1949



22.3238, 0.5243, 0.3705



22.3238, 0.3152, 0.5297



22.3238, 0.1382, 0.2300

Rectangle

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



22.3238, 0.2777, 0.1949



22.3238, 0.4598, 0.2789



22.3238, 0.3152, 0.5297



22.3238, 0.1766, 0.3650

Sweetspot

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



22.3247, 0.2777, 0.1949



75.3722, 0.3046, 0.2906



26.6720, 0.2297, 0.2329



15.4751, 0.3032, 0.2849



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.



22.3247, 0.2777, 0.1949



28.7237, 0.2671, 0.1665



26.5398, 0.3313, 0.2216



11.1867, 0.3079, 0.3057



5.6848, 0.2299, 0.1040



0.3356, 0.2478, 0.1139

Inverse Universe

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



24.6080, 0.3979, 0.2810



33.2672, 0.4283, 0.2727



47.7959, 0.2989, 0.4680



11.2817, 0.3233, 0.3204



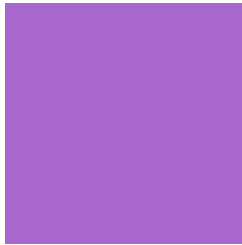
8.4255, 0.5468, 0.2786



0.4493, 0.4933, 0.2491

Previews

White Background



This preview shows how the Yxy color 22.3238, 0.2777, 0.1949 looks on a white background.

Color Contrast Check

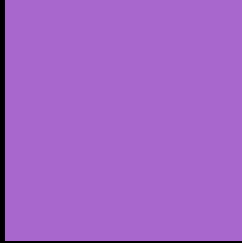
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3238, 0.2777, 0.1949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

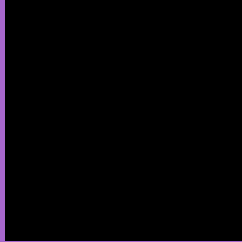
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3238, 0.2777, 0.1949

Background



This preview shows how black text looks on a background with the Yxy color 22.3238, 0.2777, 0.1949.



This preview shows how white text looks on a background with the Yxy color 22.3238, 0.2777, 0.1949.

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

22.3238, 0.2777, 0.1949

Protanopia

22.6561, 0.2039, 0.1833

Deuteranopia

22.6222, 0.2242, 0.2183



Tritanopia

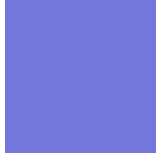
22.2550, 0.3446, 0.3145

Trichromacy



Original Color

22.3238, 0.2777, 0.1949



Protanomaly

21.7162, 0.2234, 0.1842



Deuteranomaly

21.8348, 0.2397, 0.2060



Tritanomaly

21.8399, 0.3182, 0.2632

Monochromacy



Original Color

22.3238, 0.2777, 0.1949



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.8150, 0.2995, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3238, 0.2777, 0.1949 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, 103, 205)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 103, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 103, 205) }
```

Border

The CSS property to change the border of an element to Yxy 22.3238, 0.2777, 0.1949 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, 103, 205) }
```

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

```
.border{ border-color:rgb(167, 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(167, 103, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 103, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 103, 205);  
box-shadow:4px 4px 4px 4px rgb(167, 103,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3238, 0.2777, 0.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 103, 205) }
```

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

```
.background{ background-color: rgb(167,  
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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