

Converting Colors

$Y_{xy}(18.5369, 0.2622, 0.1999)$

Have a look what the booklet for
Yxy(18.5369, 0.2622, 0.1999)
contains.

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Color

Yxy(18.5369, 0.2622, 0.1999)

Conversions

Conversions Part 1

Format	Color
Hex	8A66BC
RGB	138, 102, 188
RGB Percent	54%, 40%, 74%
CMY	0.4587, 0.6000, 0.2627
CMYK	0.27, 0.46, 0.00, 0.26
HSL	265°, 39%, 57%
HSV	265°, 46%, 74%
XYZ	24.3140, 18.5369, 49.8799
YIQ	122.5680, -6.1500, 34.3780

Conversions

Conversions Part 2

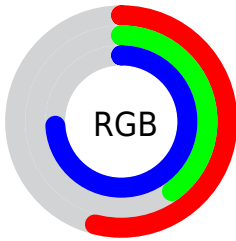
Format	Color
R_{YB}	138, 102, 188
Decimal	9070268
CIE _{Lab}	50.14, 32.31, -40.14
CIE _{LCh}	50, 51.530, 308.833
Yxy	18.5369, 0.2622, 0.1999
Android (android.graphics.Color)	4287260348 (0xFF8A66BC)
YUV	122.5680, 32.2580, 13.5339
Hunter-Lab	43.0545, 25.4584, -38.5511

Details

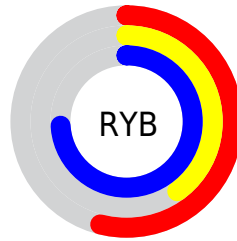
The Yxy color **18.5369, 0.2622, 0.1999** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **43.6033, 0.3466, 0.4535**, and the grayscale version is **19.5523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0412, 0.2738, 0.2246**, and **6.2909, 0.2406, 0.1616** is the 20% darker color. If you saturate the color by 10%, you get **14.3667, 0.2478, 0.1699**, and if you desaturate by 10%, it is **23.6402, 0.2757, 0.2305**.

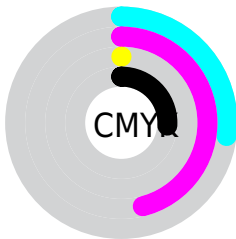
Distribution



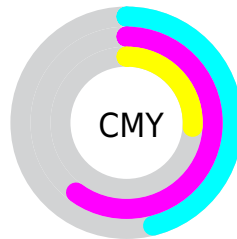
- Red (54%)
- Green (40%)
- Blue (74%)



- Red (54%)
- Yellow (40%)
- Blue (74%)



- Cyan (27%)
- Magenta (46%)
- Yellow (0%)
- Black (26%)



- Cyan (46%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5369, 0.2622, 0.1999 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 18.5369, 0.2622, 0.1999 by changing the saturation by 10% instead.

■ 18.5369, 0.2622,
0.1999

■ 18.5369, 0.2622,
0.1999

243.8801, 0.2920,
0.2669

■ 11.3361, 0.2532,
0.1829

■ 40.9501, 0.2742,
0.2246

■ 6.2934, 0.2408,
0.1612

■ 56.9313, 0.2783,
0.2338

■ 3.0243, 0.2227,
0.1331

■ 76.6081, 0.2817,
0.2415

■ 1.1444, 0.1950,
0.0963

■ 100.3649, 0.2845,
0.2481

■ 0.0156, 0.1578,
0.0031

128.5862, 0.2868,
0.2538

■ 0.0000, 0.0000,
0.0000

161.6562, 0.2888,

0.2588

199.9593, 0.2906,
0.2631

■ 18.5369, 0.2622,
0.1999

■ 18.5369, 0.2622,
0.1999

■ 14.3667, 0.2478,
0.1699

■ 23.6402, 0.2757,
0.2305

■ 11.0673, 0.2329,
0.1419

■ 29.7292, 0.2879,
0.2604

■ 8.5719, 0.2181,
0.1176

■ 36.8548, 0.2986,
0.2887

■ 6.8027, 0.2044,
0.0985

■ 45.0638, 0.3080,
0.3149

■ 5.6623, 0.1922,
0.0852

■ 54.4003, 0.3160,
0.3389

■ 5.2838, 0.1875,
0.0806

■ 64.9056, 0.3227,
0.3605

■ 76.6190, 0.3284,
0.3797

■ 89.5781, 0.3332,
0.3969

■ 93.0436, 0.3400,
0.3977

Harmonies

Analogous

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



18.5369, 0.1937, 0.1877



18.5369, 0.2622, 0.1999



18.5369, 0.3585, 0.2364

Triad

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



18.5369, 0.2622, 0.1999



18.5369, 0.4869, 0.4237



18.5369, 0.1843, 0.3499

Complementary

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



18.5369, 0.2622, 0.1999



43.6033, 0.3466, 0.4535

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.



18.5369, 0.2501, 0.4578



18.5369, 0.2622, 0.1999



18.5369, 0.4244, 0.4859

Square

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



18.5369, 0.2622, 0.1999



18.5369, 0.5018, 0.3556



18.5369, 0.3382, 0.5105



18.5369, 0.1544, 0.2561

Rectangle

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



18.5369, 0.2622, 0.1999



18.5369, 0.4247, 0.2715



18.5369, 0.3382, 0.5105



18.5369, 0.2025, 0.3873

Sweetspot

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



18.5376, 0.2622, 0.1999



68.9241, 0.3001, 0.2928



28.9668, 0.2422, 0.2718



14.1727, 0.2980, 0.2869



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.5376, 0.2622, 0.1999



25.9355, 0.2475, 0.1694



22.9367, 0.3097, 0.2163



9.4154, 0.3048, 0.3057



3.6386, 0.1887, 0.0813



0.1810, 0.2169, 0.0969

Inverse Universe

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



22.4594, 0.3623, 0.2611



34.2107, 0.3786, 0.2476



40.1919, 0.3112, 0.4683



9.6268, 0.3200, 0.3157



8.0495, 0.4598, 0.2307



0.3281, 0.4180, 0.2077

Previews

White Background



This preview shows how the Yxy color 18.5369, 0.2622, 0.1999 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 18.5369, 0.2622, 0.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

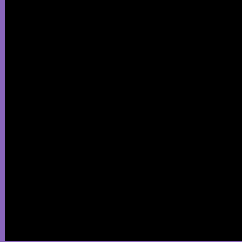
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5369, 0.2622, 0.1999

Background



This preview shows how black text looks on a background with the Yxy color 18.5369, 0.2622, 0.1999.



This preview shows how white text looks on a background with the Yxy color 18.5369, 0.2622, 0.1999.

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

18.5369, 0.2622, 0.1999

Protanopia

18.8244, 0.2115, 0.1937

Deuteranopia

18.6328, 0.2228, 0.2175



Tritanopia

18.4835, 0.3160, 0.3124

Trichromacy



Original Color

18.5369, 0.2622, 0.1999

Protanomaly

18.5169, 0.2268, 0.1956

Deuteranomaly

18.3163, 0.2351, 0.2101

Tritanomaly

18.3323, 0.2946, 0.2649

Monochromacy



Original Color

18.5369, 0.2622, 0.1999

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9572, 0.2923, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5369, 0.2622, 0.1999 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(138, 102, 188)` looks like.

```
.text, #text, p{  
    color:rgb(138, 102, 188)  
}
```

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(138, 102, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 102, 188) }
```

Border

The CSS property to change the border of an element to Yxy 18.5369, 0.2622, 0.1999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

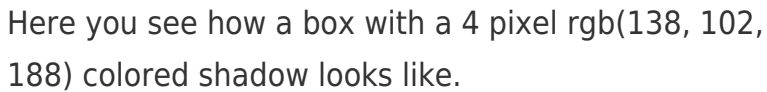
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 102, 188) }
```

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

```
.border{ border-color:rgb(138, 102, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 102, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 102, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 102, 188); box-shadow:4px 4px 4px 4px rgb(138, 102, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5369, 0.2622, 0.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 102, 188) }
```

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

```
.background{ background-color: rgb(138,  
102, 188) }
```

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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