

Converting Colors

$Yxy(15.8587, 0.2422, 0.1647)$

Have a look what the booklet for
Yxy(15.8587, 0.2422, 0.1647)
contains.

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Color

Yxy(15.8587, 0.2422, 0.1647)

Conversions

Conversions Part 1

Format	Color
Hex	8357C9
RGB	131, 87, 201
RGB Percent	51%, 34%, 79%
CMY	0.4860, 0.6590, 0.2116
CMYK	0.35, 0.57, 0.00, 0.21
HSL	263°, 51%, 56%
HSV	263°, 57%, 79%
XYZ	23.3211, 15.8587, 57.1087
YIQ	113.1520, -10.3700, 44.7820

Conversions

Conversions Part 2

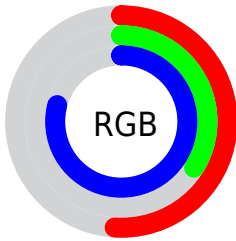
Format	Color
R_{YB}	131, 87, 201
Decimal	8607689
CIE _{Lab}	46.79, 42.38, -53.04
CIE _{LCh}	47, 67.888, 308.628
Yxy	15.8587, 0.2422, 0.1647
Android (android.graphics.Color)	4286797769 (0xFF8357C9)
YUV	113.1520, 43.3091, 15.6527
Hunter-Lab	39.8230, 34.8426, -57.1495

Details

The Yxy color **15.8587, 0.2422, 0.1647** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **49.6355, 0.3551, 0.4828**, and the grayscale version is **16.4324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9618, 0.2608, 0.1969**, and **4.9980, 0.2133, 0.1203** is the 20% darker color. If you saturate the color by 10%, you get **12.1193, 0.2266, 0.1365**, and if you desaturate by 10%, it is **20.6224, 0.2575, 0.1952**.

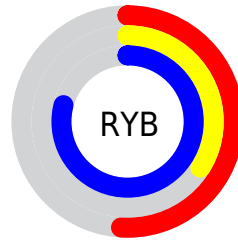
Distribution



Red (51%)

Green (34%)

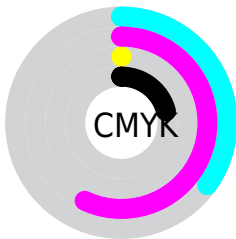
Blue (79%)



Red (51%)

Yellow (34%)

Blue (79%)

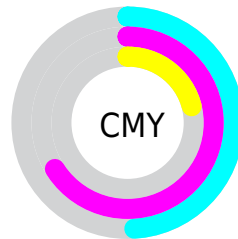


Cyan (35%)

Magenta (57%)

Yellow (0%)

Black (21%)



Cyan (49%)

Magenta (66%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8587, 0.2422, 0.1647 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 15.8587, 0.2422, 0.1647 by changing the saturation by 10% instead.


 15.8587, 0.2422,
0.1647


 15.8587, 0.2422,
0.1647


228.5065, 0.2841,
0.2479


 9.4242, 0.2298,
0.1449


 36.3527, 0.2589,
0.1945

 5.0189, 0.2130,
0.1205


 51.1811, 0.2648,
0.2059

 2.2584, 0.1895,
0.0908

 69.5761, 0.2695,
0.2156

 0.7515, 0.1557,
0.0554

 91.9224, 0.2735,
0.2239

 0.0000, 0.1079,
0.0000

 118.6041, 0.2768,
0.2311

 0.0000, 0.0000,
0.0000

150.0058, 0.2796,

0.2374

186.5118, 0.2820,
0.2430

■ 15.8587, 0.2422,
0.1647

■ 15.8587, 0.2422,
0.1647

■ 12.1193, 0.2266,
0.1365

■ 20.6224, 0.2575,
0.1952

■ 9.3212, 0.2113,
0.1123

■ 26.4812, 0.2719,
0.2263

■ 7.3703, 0.1974,
0.0935

■ 33.5012, 0.2850,
0.2568

■ 6.1432, 0.1853,
0.0809

■ 41.7428, 0.2966,
0.2856

■ 5.8268, 0.1818,
0.0775

■ 51.2620, 0.3067,
0.3123

■ 62.1113, 0.3154,
0.3366

■ 74.3404, 0.3228,
0.3585

■ 87.9961, 0.3290,
0.3780

■ 94.6223, 0.3361,
0.3835

Harmonies

Analogous

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



15.8587, 0.1587, 0.1495



15.8587, 0.2422, 0.1647



15.8587, 0.3715, 0.2082

Triad

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



15.8587, 0.2422, 0.1647



15.8587, 0.5340, 0.4321



15.8587, 0.1428, 0.3533

Complementary

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



15.8587, 0.2422, 0.1647



49.6355, 0.3551, 0.4828

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.



15.8587, 0.2219, 0.5187



15.8587, 0.2422, 0.1647



15.8587, 0.4443, 0.5244

Square

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



15.8587, 0.2422, 0.1647



15.8587, 0.5663, 0.3483



15.8587, 0.3325, 0.5832



15.8587, 0.1116, 0.2259

Rectangle

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



15.8587, 0.2422, 0.1647



15.8587, 0.4651, 0.2501



15.8587, 0.3325, 0.5832



15.8587, 0.1638, 0.4098

Sweetspot

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



15.8593, 0.2422, 0.1647



70.6936, 0.2961, 0.2843



30.4598, 0.2276, 0.2608



14.4837, 0.2938, 0.2785



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.



15.8593, 0.2422, 0.1647



19.5508, 0.2231, 0.1307



21.6847, 0.3038, 0.1903



10.4841, 0.3042, 0.3055



3.7117, 0.1832, 0.0783



0.2173, 0.2075, 0.0917

Inverse Universe

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



21.6636, 0.3751, 0.2420



30.8633, 0.3952, 0.2289



45.1997, 0.3122, 0.5058



10.7444, 0.3196, 0.3149



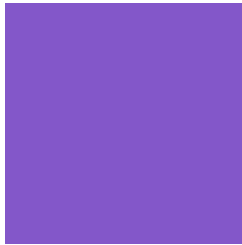
8.7296, 0.4471, 0.2237



0.4272, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 15.8587, 0.2422, 0.1647 looks on a white background.

Color Contrast Check

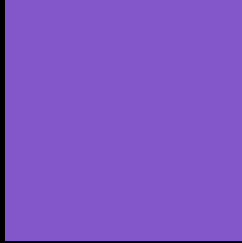
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8587, 0.2422, 0.1647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

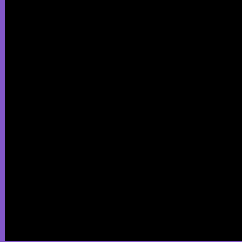
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8587, 0.2422, 0.1647

Background



This preview shows how black text looks on a background with the Yxy color 15.8587, 0.2422, 0.1647.



This preview shows how white text looks on a background with the Yxy color 15.8587, 0.2422, 0.1647.

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

15.8587, 0.2422, 0.1647

Protanopia

16.1126, 0.1792, 0.1514

Deuteranopia

16.1891, 0.1905, 0.1855



Tritanopia

15.8227, 0.3082, 0.3111

Trichromacy



Original Color

15.8587, 0.2422, 0.1647

Protanomaly

15.2346, 0.1916, 0.1524

Deuteranomaly

15.3174, 0.2005, 0.1731

Tritanomaly

15.4385, 0.2806, 0.2441

Monochromacy



Original Color

15.8587, 0.2422, 0.1647

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.9380, 0.2841, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8587, 0.2422, 0.1647 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(131, 87, 201)` looks like.

```
.text, #text, p{  
    color:rgb(131, 87, 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(131, 87, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 87, 201) }
```

Border

The CSS property to change the border of an element to Yxy 15.8587, 0.2422, 0.1647 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(131, 87, 201) }
```

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

```
.border{ border-color:rgb(131, 87, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 87, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 87, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 87, 201);  
box-shadow:4px 4px 4px 4px rgb(131, 87,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8587, 0.2422, 0.1647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 87, 201) }
```

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

```
.background{ background-color: rgb(131, 87,  
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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