

Converting Colors

$Yxy(16.8155, 0.2307, 0.1501)$

Have a look what the booklet for
Yxy(16.8155, 0.2307, 0.1501)
contains.

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Color

Yxy(16.8094, 0.2308, 0.1497)

Conversions

Conversions Part 1

Format	Color
Hex	8556DC
RGB	133, 86, 220
RGB Percent	52%, 34%, 86%
CMY	0.4784, 0.6627, 0.1374
CMYK	0.40, 0.61, 0.00, 0.14
HSL	261°, 66%, 60%
HSV	261°, 61%, 86%
XYZ	25.9159, 16.8094, 69.5619
YIQ	115.3290, -15.0020, 51.6380

Conversions

Conversions Part 2

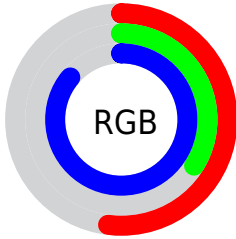
Format	Color
R_{YB}	133, 86, 220
Decimal	8738524
CIE _{Lab}	48.02, 48.28, -61.88
CIE _{LCh}	48, 78.483, 307.964
Yxy	16.8094, 0.2308, 0.1497
Android (android.graphics.Color)	4286928604 (0xFF8556DC)
YUV	115.3290, 51.6028, 15.4975
Hunter-Lab	40.9993, 41.0823, -71.8957

Details

The Yxy color **16.8094, 0.2308, 0.1497** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **60.7179, 0.3606, 0.4921**, and the grayscale version is **17.0948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4733, 0.2640, 0.1980**, and **5.4379, 0.1995, 0.1060** is the 20% darker color. If you saturate the color by 10%, you get **12.7368, 0.2146, 0.1224**, and if you desaturate by 10%, it is **22.1215, 0.2472, 0.1801**.

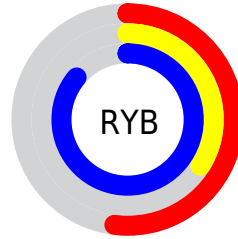
Distribution



Red (52%)

Green (34%)

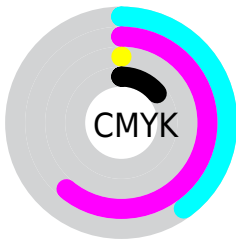
Blue (86%)



Red (52%)

Yellow (34%)

Blue (86%)

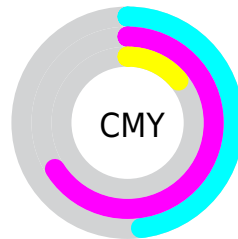


Cyan (40%)

Magenta (61%)

Yellow (0%)

Black (14%)



Cyan (48%)


Magenta (66%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8094, 0.2308, 0.1497 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 16.8094, 0.2308, 0.1497 by changing the saturation by 10% instead.


 16.8094, 0.2308,
0.1497


 16.8094, 0.2308,
0.1497


234.0716, 0.2784,
0.2373


 10.0987, 0.2175,
0.1300


 37.9978, 0.2494,
0.1802


 5.4644, 0.1998,
0.1065


 53.2442, 0.2560,
0.1921

 2.5223, 0.1760,
0.0789

 72.1047, 0.2614,
0.2024

 0.8877, 0.1434,
0.0479

 94.9637, 0.2660,
0.2113

 0.0000, 0.1012,
0.0000

 122.2054, 0.2698,
0.2190

 0.0000, 0.0000,
0.0000

154.2144, 0.2731,

0.2258

191.3750, 0.2759,
0.2319

■ 16.8094, 0.2308,
0.1497

■ 16.8094, 0.2308,
0.1497

■ 12.7368, 0.2146,
0.1224

■ 22.1215, 0.2472,
0.1801

■ 9.7929, 0.1993,
0.1001

■ 28.7673, 0.2629,
0.2118

■ 7.8490, 0.1860,
0.0839

■ 36.8333, 0.2774,
0.2432

■ 6.7507, 0.1759,
0.0743

■ 46.3982, 0.2905,
0.2733

■ 57.5350, 0.3020,
0.3013

70.3115, 0.3119,
0.3268

84.7917, 0.3204,
0.3498

96.5022, 0.3283,
0.3637

97.9453, 0.3334,
0.3632

Harmonies

Analogous

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



16.8094, 0.1431, 0.1341



16.8094, 0.2308, 0.1497



16.8094, 0.3738, 0.1949

Triad

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



16.8094, 0.2308, 0.1497



16.8094, 0.5529, 0.4292



16.8094, 0.1260, 0.3577

Complementary

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



16.8094, 0.2308, 0.1497



60.7179, 0.3606, 0.4921

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.



16.8094, 0.2098, 0.5529



16.8094, 0.2308, 0.1497



16.8094, 0.4521, 0.5366

Square

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



16.8094, 0.2308, 0.1497



16.8094, 0.5936, 0.3404



16.8094, 0.3282, 0.6149



16.8094, 0.0949, 0.2138

Rectangle

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



16.8094, 0.2308, 0.1497



16.8094, 0.4809, 0.2389



16.8094, 0.3282, 0.6149



16.8094, 0.1479, 0.4243

Sweetspot

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



16.8100, 0.2308, 0.1497



68.9107, 0.2938, 0.2813



37.0614, 0.2234, 0.2611



13.8244, 0.2903, 0.2728



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.



16.8100, 0.2308, 0.1497



16.5401, 0.2103, 0.1158



24.0837, 0.2980, 0.1793



12.8383, 0.3035, 0.3052



4.0199, 0.1774, 0.0751



0.3076, 0.1957, 0.0852

Inverse Universe

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



24.8823, 0.3757, 0.2316



29.2016, 0.3950, 0.2192



54.9089, 0.3140, 0.5191



13.1932, 0.3191, 0.3139



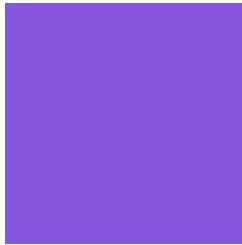
10.1121, 0.4336, 0.2162



0.6712, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 16.8094, 0.2308, 0.1497 looks on a white background.

Color Contrast Check

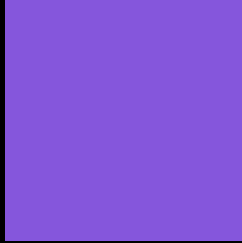
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8094, 0.2308, 0.1497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

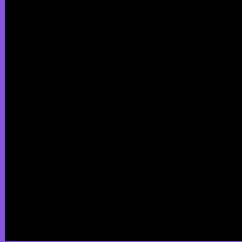
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8094, 0.2308, 0.1497

Background



This preview shows how black text looks on a background with the Yxy color 16.8094, 0.2308, 0.1497.



This preview shows how white text looks on a background with the Yxy color 16.8094, 0.2308, 0.1497.

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

16.8094, 0.2308, 0.1497

Protanopia

17.0351, 0.1739, 0.1461

Deuteranopia

16.8504, 0.1834, 0.1803



Tritanopia

16.8442, 0.2983, 0.3112

Trichromacy



Original Color

16.8094, 0.2308, 0.1497



Protanomaly

15.5372, 0.1794, 0.1403



Deuteranomaly

15.3847, 0.1859, 0.1598



Tritanomaly

16.2912, 0.2694, 0.2343

Monochromacy



Original Color

16.8094, 0.2308, 0.1497



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.3381, 0.2780, 0.2425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8094, 0.2308, 0.1497 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(133, 86, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 86, 220)  
}
```

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(133, 86, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 86, 220) }
```

Border

The CSS property to change the border of an element to Yxy 16.8094, 0.2308, 0.1497 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(133, 86, 220) }
```

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

```
.border{ border-color:rgb(133, 86, 220) }
```

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

Here you see how a box with a 4 pixel rgb(133, 86, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 86, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 86, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 86,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8094, 0.2308, 0.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 86, 220) }
```

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

```
.background{ background-color: rgb(133, 86,  
220) }
```

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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