

Converting Colors

$Y_{xy}(16.6270, 0.2307, 0.1405)$

Have a look what the booklet for
Yxy(16.6270, 0.2307, 0.1405)
contains.

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Color

Yxy(16.6270, 0.2307, 0.1405)

Conversions

Conversions Part 1

Format	Color
Hex	8B4FE3
RGB	139, 79, 227
RGB Percent	55%, 31%, 89%
CMY	0.4550, 0.6901, 0.1100
CMYK	0.39, 0.65, 0.00, 0.11
HSL	264°, 73%, 60%
HSV	264°, 65%, 89%
XYZ	27.3014, 16.6270, 74.4132
YIQ	113.8120, -11.7480, 58.7480

Conversions

Conversions Part 2

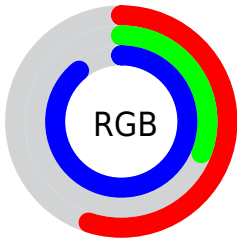
Format	Color
R _{YB}	139, 79, 227
Decimal	9129955
CIE Lab	47.79, 54.96, -66.19
CIE LCh	48, 86.034, 309.704
Yxy	16.6270, 0.2307, 0.1405
Android (android.graphics.Color)	4287320035 (0xFF8B4FE3)
YUV	113.8120, 55.8017, 22.0899
Hunter-Lab	40.7762, 48.1550, -79.6560

Details

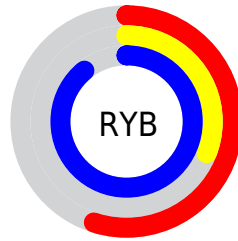
The Yxy color **16.6270, 0.2307, 0.1405** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **63.6966, 0.3561, 0.5062**, and the grayscale version is **16.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4584, 0.2691, 0.1930**, and **5.3465, 0.1996, 0.0976** is the 20% darker color. If you saturate the color by 10%, you get **12.8012, 0.2156, 0.1159**, and if you desaturate by 10%, it is **21.7146, 0.2461, 0.1690**.

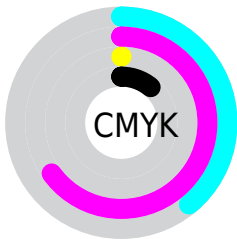
Distribution



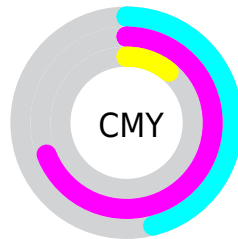
- Red (55%)
- Green (31%)
- Blue (89%)



- Red (55%)
- Yellow (31%)
- Blue (89%)



- Cyan (39%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)




- Cyan (46%)
- Magenta (69%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6270, 0.2307, 0.1405 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 16.6270, 0.2307, 0.1405 by changing the saturation by 10% instead.


 16.6270, 0.2307,
0.1405


 16.6270, 0.2307,
0.1405


233.0136, 0.2786,
0.2309


 9.9689, 0.2173,
0.1208


 37.6833, 0.2494,
0.1715


 5.3783, 0.1997,
0.0976


 52.8504, 0.2561,
0.1838

 2.4709, 0.1762,
0.0709


 71.6225, 0.2615,
0.1944

 0.8620, 0.1442,
0.0418

 94.3842, 0.2661,
0.2036

 0.0000, 0.1030,
0.0000

 121.5197, 0.2700,
0.2117

 0.0000, 0.0107,
0.0000

153.4135, 0.2733,

 0.0000, 0.0000,

0.2188

0.0000

190.4500, 0.2762,
0.2252

■ 16.6270, 0.2307,
0.1405

■ 16.6270, 0.2307,
0.1405

■ 12.8012, 0.2156,
0.1159

■ 21.7146, 0.2461,
0.1690

■ 10.1112, 0.2016,
0.0966

■ 28.1696, 0.2610,
0.1996

■ 8.4058, 0.1893,
0.0834

■ 36.0882, 0.2749,
0.2307

■ 7.8182, 0.1840,
0.0788

■ 45.5572, 0.2875,
0.2610

■ 56.6563, 0.2987,
0.2897

■ 69.4598, 0.3083,
0.3162

■ 84.0373, 0.3165,
0.3403

■ 96.8313, 0.3240,
0.3567

■ 98.3238, 0.3292,
0.3562

Harmonies

Analogous

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



16.6270, 0.1359, 0.1226



16.6270, 0.2307, 0.1405



16.6270, 0.3885, 0.1889

Triad

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



16.6270, 0.2307, 0.1405



16.6270, 0.5625, 0.4344



16.6270, 0.1087, 0.3456

Complementary

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



16.6270, 0.2307, 0.1405



63.6966, 0.3561, 0.5062

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.



16.6270, 0.1908, 0.5693



16.6270, 0.2307, 0.1405



16.6270, 0.4469, 0.5531

Square

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



16.6270, 0.2307, 0.1405



16.6270, 0.6150, 0.3388



16.6270, 0.3130, 0.6429



16.6270, 0.0817, 0.1965

Rectangle

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



16.6270, 0.2307, 0.1405



16.6270, 0.5058, 0.2351



16.6270, 0.3130, 0.6429



16.6270, 0.1293, 0.4195

Sweetspot

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



16.6275, 0.2307, 0.1405



66.3602, 0.2933, 0.2758



35.1340, 0.2157, 0.2440



13.3467, 0.2901, 0.2676



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.



16.6275, 0.2307, 0.1405



15.3521, 0.2108, 0.1088



25.1617, 0.3041, 0.1745



14.1708, 0.3043, 0.3052



4.6254, 0.1856, 0.0796



0.3949, 0.2020, 0.0886

Inverse Universe

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



24.7106, 0.3935, 0.2347



27.1692, 0.4183, 0.2258



57.8509, 0.3095, 0.5350



14.5112, 0.3200, 0.3151



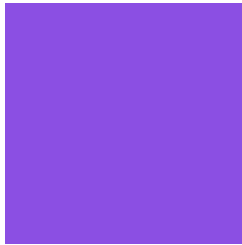
10.5681, 0.4558, 0.2285



0.7992, 0.4307, 0.2147

Previews

White Background



This preview shows how the Yxy color 16.6270, 0.2307, 0.1405 looks on a white background.

Color Contrast Check

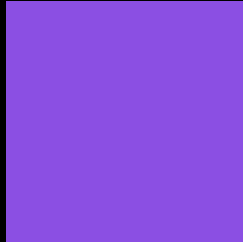
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6270, 0.2307, 0.1405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

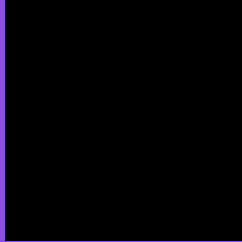
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.6270, 0.2307, 0.1405

Background



This preview shows how black text looks on a background with the Yxy color 16.6270, 0.2307, 0.1405.



This preview shows how white text looks on a background with the Yxy color 16.6270, 0.2307, 0.1405.

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

16.6270, 0.2307, 0.1405

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.7551, 0.1840, 0.1824



Tritanopia

16.6574, 0.3082, 0.3133

Trichromacy



Original Color

16.6270, 0.2307, 0.1405



Protanomaly

15.1523, 0.1789, 0.1354



Deuteranomaly

15.1075, 0.1859, 0.1563



Tritanomaly

15.9026, 0.2737, 0.2275

Monochromacy



Original Color

16.6270, 0.2307, 0.1405



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8849, 0.2767, 0.2346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6270, 0.2307, 0.1405 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(139, 79, 227)` looks like.

```
.text, #text, p{  
    color:rgb(139, 79, 227)  
}
```

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(139, 79, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 79, 227) }
```

Border

The CSS property to change the border of an element to Yxy 16.6270, 0.2307, 0.1405 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(139, 79, 227) }
```

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

```
.border{ border-color:rgb(139, 79, 227) }
```

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

Here you see how a box with a 4 pixel rgb(139, 79, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 79, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 79, 227);  
box-shadow:4px 4px 4px 4px rgb(139, 79,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6270, 0.2307, 0.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 79, 227) }
```

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

```
.background{ background-color: rgb(139, 79,  
227) }
```

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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