

Converting Colors

$Y_{xy}(16.2183, 0.2319, 0.1386)$

Have a look what the booklet for
Yxy(16.2183, 0.2319, 0.1386)
contains.

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Color

Yxy(16.2353, 0.2318, 0.1387)

Conversions

Conversions Part 1

Format	Color
Hex	8C4CE2
RGB	140, 76, 226
RGB Percent	55%, 30%, 89%
CMY	0.4509, 0.7020, 0.1136
CMYK	0.38, 0.66, 0.00, 0.11
HSL	266°, 72%, 59%
HSV	266°, 66%, 89%
XYZ	27.1330, 16.2353, 73.6851
YIQ	112.2360, -10.0060, 60.2180

Conversions

Conversions Part 2

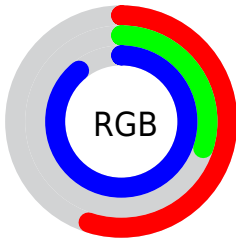
Format	Color
R_{YB}	140, 76, 226
Decimal	9194722
CIE _{Lab}	47.28, 56.46, -66.49
CIE _{LCh}	47, 87.222, 310.337
Yxy	16.2353, 0.2318, 0.1387
Android (android.graphics.Color)	4287384802 (0xFF8C4CE2)
YUV	112.2360, 56.0857, 24.3490
Hunter-Lab	40.2931, 49.6874, -80.2202

Details

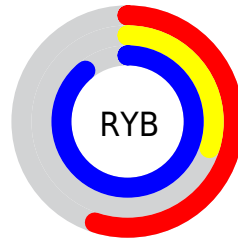
The Yxy color **16.2353, 0.2318, 0.1387** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **62.6191, 0.3539, 0.5105**, and the grayscale version is **16.1093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0626, 0.2698, 0.1913**, and **5.1879, 0.2001, 0.0951** is the 20% darker color. If you saturate the color by 10%, you get **12.5900, 0.2171, 0.1149**, and if you desaturate by 10%, it is **21.1077, 0.2467, 0.1665**.

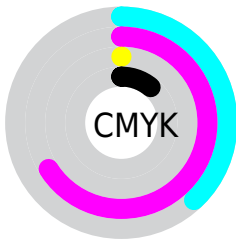
Distribution



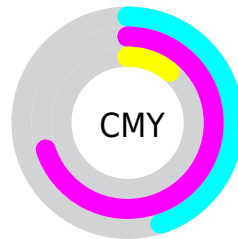
- Red (55%)
- Green (30%)
- Blue (89%)



- Red (55%)
- Yellow (30%)
- Blue (89%)



- Cyan (38%)
- Magenta (66%)
- Yellow (0%)
- Black (11%)





- Cyan (45%)
- Magenta (70%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2353, 0.2318, 0.1387 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 16.2353, 0.2318, 0.1387 by changing the saturation by 10% instead.


 16.2353, 0.2318,
0.1387


 16.2353, 0.2318,
0.1387


230.7262, 0.2794,
0.2299

 9.6908, 0.2184,
0.1188


 37.0062, 0.2504,
0.1700


 5.1944, 0.2008,
0.0956


 52.0014, 0.2571,
0.1823


 2.3618, 0.1771,
0.0689


 70.5823, 0.2625,
0.1930

 0.8061, 0.1449,
0.0398

 93.1334, 0.2671,
0.2023

 0.0000, 0.1031,
0.0000

 120.0388, 0.2709,
0.2105

 0.0000, 0.0078,
0.0000

151.6832, 0.2742,

 0.0000, 0.0000,

0.2177

0.0000

188.4509, 0.2770,
0.2241

■ 16.2353, 0.2318,
0.1387

■ 16.2353, 0.2318,
0.1387

■ 12.5900, 0.2171,
0.1149

■ 21.1077, 0.2467,
0.1665

■ 10.0452, 0.2035,
0.0966

■ 27.3130, 0.2613,
0.1966

■ 8.4453, 0.1916,
0.0842

■ 34.9470, 0.2748,
0.2274

■ 8.0050, 0.1876,
0.0807

■ 44.0962, 0.2871,
0.2577

■ 54.8397, 0.2980,
0.2864

■ 67.2514, 0.3074,
0.3132

■ 81.4001, 0.3155,
0.3375

■ 96.1895, 0.3224,
0.3578

■ 98.2733, 0.3297,
0.3571

Harmonies

Analogous

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



16.2353, 0.1349, 0.1200



16.2353, 0.2318, 0.1387



16.2353, 0.3936, 0.1880

Triad

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



16.2353, 0.2318, 0.1387



16.2353, 0.5636, 0.4364



16.2353, 0.1043, 0.3408

Complementary

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



16.2353, 0.2318, 0.1387



62.6191, 0.3539, 0.5105

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.



16.2353, 0.1854, 0.5715



16.2353, 0.2318, 0.1387



16.2353, 0.4432, 0.5568

Square

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



16.2353, 0.2318, 0.1387



16.2353, 0.6197, 0.3389



16.2353, 0.3080, 0.6498



16.2353, 0.0788, 0.1917

Rectangle

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



16.2353, 0.2318, 0.1387



16.2353, 0.5131, 0.2348



16.2353, 0.3080, 0.6498



16.2353, 0.1245, 0.4161

Sweetspot

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



16.2358, 0.2318, 0.1387



66.5362, 0.2941, 0.2759



33.4067, 0.2133, 0.2383



13.3886, 0.2910, 0.2677



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.



16.2358, 0.2318, 0.1387



14.9953, 0.2113, 0.1066



24.8857, 0.3065, 0.1737



13.5278, 0.3047, 0.3052



4.6318, 0.1893, 0.0816



0.3730, 0.2066, 0.0912

Inverse Universe

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



23.9503, 0.4004, 0.2369



26.4529, 0.4286, 0.2291



57.0355, 0.3081, 0.5394



13.8316, 0.3203, 0.3156



10.1613, 0.4644, 0.2332



0.7221, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 16.2353, 0.2318, 0.1387 looks on a white background.

Color Contrast Check

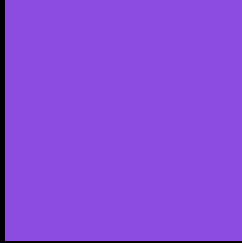
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2353, 0.2318, 0.1387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

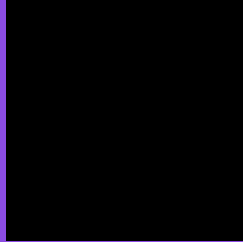
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2353, 0.2318, 0.1387

Background



This preview shows how black text looks on a background with the Yxy color 16.2353, 0.2318, 0.1387.



This preview shows how white text looks on a background with the Yxy color 16.2353, 0.2318, 0.1387.

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

16.2353, 0.2318, 0.1387

Protanopia

16.3823, 0.1739, 0.1461

Deuteranopia

16.4316, 0.1841, 0.1827



Tritanopia

16.2418, 0.3121, 0.3133

Trichromacy



Original Color

16.2353, 0.2318, 0.1387



Protanomaly

14.6710, 0.1787, 0.1341



Deuteranomaly

14.6146, 0.1858, 0.1549



Tritanomaly

15.5297, 0.2767, 0.2272

Monochromacy



Original Color

16.2353, 0.2318, 0.1387



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.3612, 0.2774, 0.2337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2353, 0.2318, 0.1387 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(140, 76, 226)` looks like.

```
.text, #text, p{  
    color:rgb(140, 76, 226)  
}
```

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(140, 76, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 76, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.2353, 0.2318, 0.1387 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(140, 76, 226) }
```

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

```
.border{ border-color:rgb(140, 76, 226) }
```

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

Here you see how a box with a 4 pixel rgb(140, 76, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 76, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 76, 226);  
box-shadow:4px 4px 4px 4px rgb(140, 76,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2353, 0.2318, 0.1387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 76, 226) }
```

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

```
.background{ background-color: rgb(140, 76,  
226) }
```

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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