

Converting Colors

$Y_{xy}(15.9774, 0.3033, 0.2042)$

Have a look what the booklet for
Yxy(15.9774, 0.3033, 0.2042)
contains.

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Color

Yxy(16.0445, 0.3040, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	9C53A7
RGB	156, 83, 167
RGB Percent	61%, 33%, 65%
CMY	0.3882, 0.6745, 0.3451
CMYK	0.07, 0.50, 0.00, 0.35
HSL	292°, 34%, 49%
HSV	292°, 50%, 65%
XYZ	23.7812, 16.0445, 38.4020
YIQ	114.4030, 16.5440, 41.6000

Conversions

Conversions Part 2

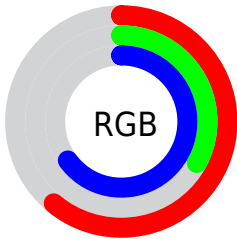
Format	Color
R _Y B	156, 83, 167
Decimal	10245031
CIE Lab	47.03, 43.37, -32.63
CIE LCh	47, 54.276, 323.046
Yxy	16.0445, 0.3040, 0.2051
Android (android.graphics.Color)	4288435111 (0xFF9C53A7)
YUV	114.4030, 25.9303, 36.4806
Hunter-Lab	40.0556, 35.8791, -28.8034

Details

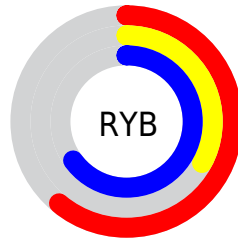
The Yxy color **16.0445, 0.3040, 0.2051** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.6396, 0.3140, 0.4812**, and the grayscale version is **16.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5989, 0.3078, 0.2299**, and **5.0956, 0.2941, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **13.5747, 0.3012, 0.1839**, and if you desaturate by 10%, it is **19.1350, 0.3064, 0.2287**.

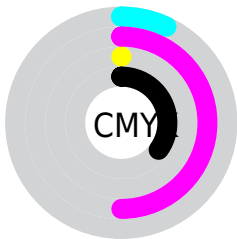
Distribution



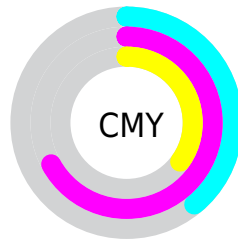
- Red (61%)
- Green (33%)
- Blue (65%)



- Red (61%)
- Yellow (33%)
- Blue (65%)



- Cyan (7%)
- Magenta (50%)
- Yellow (0%)
- Black (35%)




- Cyan (39%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0445, 0.3040, 0.2051 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 16.0445, 0.3040, 0.2051 by changing the saturation by 10% instead.


 16.0445, 0.3040,
0.2051


 16.0445, 0.3040,
0.2051


229.6042, 0.3114,
0.2706


 9.5556, 0.3008,
0.1879


 36.6754, 0.3076,
0.2296


 5.1053, 0.2958,
0.1657


 51.5863, 0.3086,
0.2386


 2.3092, 0.2872,
0.1361

 70.0733, 0.3094,
0.2461

 0.7786, 0.2712,
0.0957

 92.5209, 0.3100,
0.2525

 0.0000, 0.2469,
0.0000

 119.3133, 0.3105,
0.2580

 0.0000, 0.0000,
0.0000

150.8351, 0.3108,

0.2628

187.4706, 0.3111,
0.2669

■ 16.0445, 0.3040,
0.2051

■ 16.0445, 0.3040,
0.2051

■ 13.5747, 0.3012,
0.1839

■ 19.1350, 0.3064,
0.2287

■ 11.6786, 0.2982,
0.1660

■ 22.8846, 0.3085,
0.2536

■ 10.3058, 0.2950,
0.1520

■ 27.3311, 0.3103,
0.2790

■ 9.3962, 0.2916,
0.1424

■ 32.5088, 0.3116,
0.3041

■ 8.8255, 0.2884,
0.1362

■ 38.4496, 0.3127,
0.3283

■ 45.1837, 0.3135,
0.3512

■ 52.7396, 0.3140,
0.3725

■ 61.1443, 0.3144,
0.3921

■ 70.4236, 0.3145,
0.4100

Harmonies

Analogous

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



16.0445, 0.2136, 0.1793



16.0445, 0.3040, 0.2051



16.0445, 0.4157, 0.2542

Triad

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



16.0445, 0.3040, 0.2051



16.0445, 0.4726, 0.4628



16.0445, 0.1530, 0.2961

Complementary

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



16.0445, 0.3040, 0.2051



30.6396, 0.3140, 0.4812

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.



16.0445, 0.2047, 0.4179



16.0445, 0.3040, 0.2051



16.0445, 0.3885, 0.5218

Square

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



16.0445, 0.3040, 0.2051



16.0445, 0.5193, 0.3888



16.0445, 0.2912, 0.5162



16.0445, 0.1399, 0.2160

Rectangle

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



16.0445, 0.3040, 0.2051



16.0445, 0.4793, 0.2958



16.0445, 0.2912, 0.5162



16.0445, 0.1657, 0.3337

Sweetspot

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



16.0452, 0.3040, 0.2051



53.4481, 0.3110, 0.2917



12.6684, 0.2224, 0.1935



11.5460, 0.3107, 0.2866



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.0452, 0.3040, 0.2051



24.0101, 0.3010, 0.1824



16.1838, 0.3618, 0.2493



7.6162, 0.3118, 0.3066



6.7685, 0.2887, 0.1364



0.1780, 0.3001, 0.1427

Inverse Universe

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



15.2083, 0.4325, 0.3125



22.4747, 0.4751, 0.3103



30.6859, 0.2843, 0.4274



7.5577, 0.3266, 0.3261



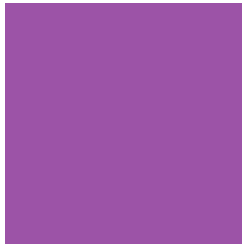
6.3347, 0.6203, 0.3191



0.1588, 0.5550, 0.2831

Previews

White Background



This preview shows how the Yxy color 16.0445, 0.3040, 0.2051 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 16.0445, 0.3040, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

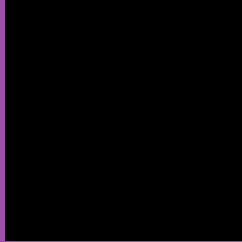
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0445, 0.3040, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 16.0445, 0.3040, 0.2051.



This preview shows how white text looks on a background with the Yxy color 16.0445, 0.3040, 0.2051.

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

16.0445, 0.3040, 0.2051

Protanopia

16.2328, 0.2098, 0.1911

Deuteranopia

16.2528, 0.2398, 0.2345



Tritanopia

16.0512, 0.3778, 0.3170

Trichromacy



Original Color

16.0445, 0.3040, 0.2051



Protanomaly

15.5559, 0.2346, 0.1926



Deuteranomaly

15.6325, 0.2587, 0.2195



Tritanomaly

15.9665, 0.3489, 0.2708

Monochromacy



Original Color

16.0445, 0.3040, 0.2051



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

16.0611, 0.3099, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0445, 0.3040, 0.2051 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(156, 83, 167)` looks like.

```
.text, #text, p{  
  color:rgb(156, 83, 167)  
}
```

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(156, 83, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 83, 167) }
```

Border

The CSS property to change the border of an element to Yxy 16.0445, 0.3040, 0.2051 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(156, 83, 167) }
```

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

```
.border{ border-color:rgb(156, 83, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 83, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 83, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 83, 167);  
box-shadow:4px 4px 4px 4px rgb(156, 83,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0445, 0.3040, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 83, 167) }
```

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

```
.background{ background-color: rgb(156, 83,  
167) }
```

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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