

Converting Colors

$Y_{xy}(16.0499, 0.3415, 0.2343)$

Have a look what the booklet for
Yxy(16.0499, 0.3415, 0.2343)
contains.

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Color

Yxy(16.0484, 0.3414, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	A35392
RGB	163, 83, 146
RGB Percent	64%, 33%, 57%
CMY	0.3608, 0.6745, 0.4274
CMYK	0.00, 0.49, 0.10, 0.36
HSL	313°, 33%, 48%
HSV	313°, 49%, 64%
XYZ	23.3842, 16.0484, 29.0625
YIQ	114.1020, 27.4570, 36.5530

Conversions

Conversions Part 2

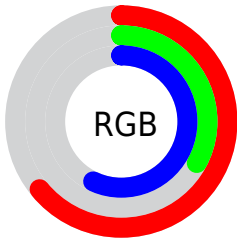
Format	Color
R _Y B	163, 83, 146
Decimal	10703762
CIE Lab	47.04, 41.59, -20.09
CIE LCh	47, 46.184, 334.221
Yxy	16.0484, 0.3414, 0.2343
Android (android.graphics.Color)	4288893842 (0xFFA35392)
YUV	114.1020, 15.7257, 42.8835
Hunter-Lab	40.0605, 34.0888, -14.9705

Details

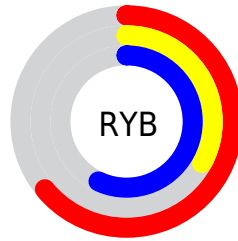
The Yxy color **16.0484, 0.3414, 0.2343** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.9492, 0.2938, 0.4484**, and the grayscale version is **16.8062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7137, 0.3364, 0.2541**, and **5.1105, 0.3507, 0.2016** is the 20% darker color. If you saturate the color by 10%, you get **13.7350, 0.3492, 0.2178**, and if you desaturate by 10%, it is **18.9528, 0.3342, 0.2528**.

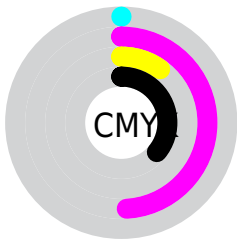
Distribution



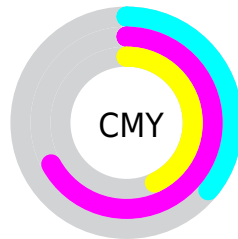
- Red (64%)
- Green (33%)
- Blue (57%)



- Red (64%)
- Yellow (33%)
- Blue (57%)



- Cyan (0%)
- Magenta (49%)
- Yellow (10%)
- Black (36%)





- Cyan (36%)
- Magenta (67%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0484, 0.3414, 0.2343 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 16.0484, 0.3414, 0.2343 by changing the saturation by 10% instead.


 16.0484, 0.3414,
0.2343


 16.0484, 0.3414,
0.2343


229.6271, 0.3264,
0.2858


 9.5584, 0.3453,
0.2200


 36.6822, 0.3358,
0.2541


 5.1072, 0.3503,
0.2009


 51.5948, 0.3337,
0.2612


 2.3103, 0.3569,
0.1741

 70.0838, 0.3320,
0.2670

 0.7791, 0.3656,
0.1339

 92.5334, 0.3305,
0.2720

 0.0000, 0.4013,
0.0000

 119.3282, 0.3293,
0.2762

 0.0000, 0.0000,
0.0000

150.8525, 0.3282,

0.2799

187.4907, 0.3272,
0.2830

■ 16.0484, 0.3414,
0.2343

■ 16.0484, 0.3414,
0.2343

■ 13.7350, 0.3492,
0.2178

■ 18.9528, 0.3342,
0.2528

■ 11.9687, 0.3573,
0.2044

■ 22.4837, 0.3276,
0.2724

■ 10.7029, 0.3656,
0.1947


■ 26.6764, 0.3218,
0.2923


■ 9.8824, 0.3738,
0.1895

■ 31.5628, 0.3167,
0.3119


■ 9.3953, 0.3817,
0.1882

■ 37.1730, 0.3123,
0.3307

 9.3538, 0.3825,
0.1881

 43.5350, 0.3086,
0.3486

 50.6756, 0.3054,
0.3653

 58.6200, 0.3027,
0.3807

 67.3926, 0.3004,
0.3949

Harmonies

Analogous

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



16.0484, 0.2532, 0.2026



16.0484, 0.3414, 0.2343



16.0484, 0.4331, 0.2849

Triad

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



16.0484, 0.3414, 0.2343



16.0484, 0.4310, 0.4709



16.0484, 0.1642, 0.2722

Complementary

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



16.0484, 0.3414, 0.2343



28.9492, 0.2938, 0.4484

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.



16.0484, 0.1988, 0.3651



16.0484, 0.3414, 0.2343



16.0484, 0.3515, 0.4999

Square

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



16.0484, 0.3414, 0.2343



16.0484, 0.4838, 0.4109



16.0484, 0.2664, 0.4614



16.0484, 0.1629, 0.2158

Rectangle

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



16.0484, 0.3414, 0.2343



16.0484, 0.4759, 0.3249



16.0484, 0.2664, 0.4614



16.0484, 0.1719, 0.2997

Sweetspot

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



16.0491, 0.3414, 0.2343



50.9517, 0.3198, 0.2997



11.4854, 0.2379, 0.1840



11.0617, 0.3209, 0.2958



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.0491, 0.3414, 0.2343



24.2340, 0.3500, 0.2163



15.0352, 0.4041, 0.2914



7.1763, 0.3168, 0.3115



7.2777, 0.3818, 0.1877



0.1590, 0.3561, 0.1735

Inverse Universe

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



16.0491, 0.3414, 0.2343



24.2340, 0.3500, 0.2163



29.8932, 0.2656, 0.3723



7.1763, 0.3168, 0.3115



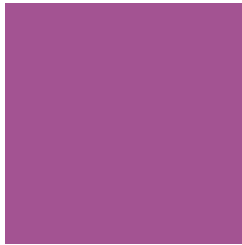
7.2777, 0.3818, 0.1877



0.1590, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 16.0484, 0.3414, 0.2343 looks on a white background.

Color Contrast Check

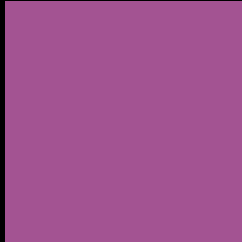
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0484, 0.3414, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

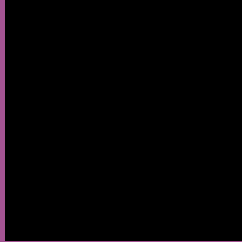
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0484, 0.3414, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 16.0484, 0.3414, 0.2343.



This preview shows how white text looks on a background with the Yxy color 16.0484, 0.3414, 0.2343.

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

16.0484, 0.3414, 0.2343

Protanopia

16.2690, 0.2366, 0.2255

Deuteranopia

16.2631, 0.2748, 0.2697



Tritanopia

16.0179, 0.4030, 0.3177

Trichromacy



Original Color

16.0484, 0.3414, 0.2343

Protanomaly

15.4691, 0.2666, 0.2256

Deuteranomaly

15.6867, 0.2963, 0.2524

Tritanomaly

15.9027, 0.3803, 0.2842

Monochromacy



Original Color

16.0484, 0.3414, 0.2343

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1124, 0.3230, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0484, 0.3414, 0.2343 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(163, 83, 146)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 146)  
}
```

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(163, 83, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 146) }
```

Border

The CSS property to change the border of an element to Yxy 16.0484, 0.3414, 0.2343 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(163, 83, 146) }
```

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

```
.border{ border-color:rgb(163, 83, 146) }
```

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

Here you see how a box with a 4 pixel rgb(163, 83, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 146);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0484, 0.3414, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 146) }
```

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

```
.background{ background-color: rgb(163, 83,  
146) }
```

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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