

Converting Colors

$Y_{xy}(36.3940, 0.2679, 0.2378)$

Have a look what the booklet for
Yxy(36.3940, 0.2679, 0.2378)
contains.

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Color

Yxy(36.4891, 0.2681, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	A899E0
RGB	168, 153, 224
RGB Percent	66%, 60%, 88%
CMY	0.3414, 0.3999, 0.1216
CMYK	0.25, 0.32, 0.00, 0.12
HSL	253°, 53%, 74%
HSV	253°, 32%, 88%
XYZ	40.9834, 36.4891, 75.3935
YIQ	165.5790, -13.8510, 25.2610

Conversions

Conversions Part 2

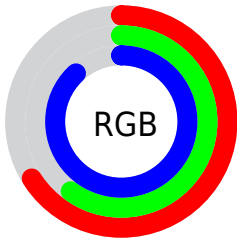
Format	Color
R _Y B	168, 153, 224
Decimal	11049440
CIE Lab	66.89, 20.45, -34.02
CIE LCh	67, 39.693, 301.007
Yxy	36.4891, 0.2681, 0.2387
Android (android.graphics.Color)	4289239520 (0xFFA899E0)
YUV	165.5790, 28.8016, 2.1232
Hunter-Lab	60.4062, 15.3947, -31.7160

Details

The Yxy color **36.4891, 0.2681, 0.2387** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.1697, 0.3489, 0.4110**, and the grayscale version is **37.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6929, 0.2929, 0.2789**, and **15.9073, 0.2542, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **28.0218, 0.2505, 0.2056**, and if you desaturate by 10%, it is **46.5996, 0.2841, 0.2701**.

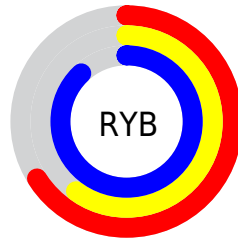
Distribution



Red (66%)

Green (60%)

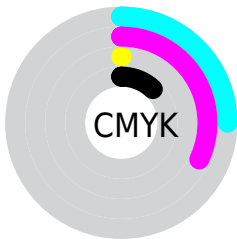
Blue (88%)



Red (66%)

Yellow (60%)

Blue (88%)

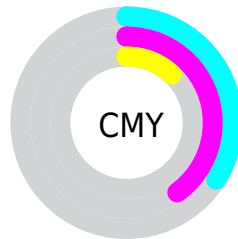


Cyan (25%)

Magenta (32%)

Yellow (0%)

Black (12%)



Cyan (34%)


Magenta (40%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4891, 0.2681, 0.2387 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 36.4891, 0.2681, 0.2387 by changing the saturation by 10% instead.


 36.4891, 0.2681,
0.2387


 36.4891, 0.2681,
0.2387


331.0933, 0.2915,
0.2828

 24.8122, 0.2620,
0.2282


 69.7863, 0.2768,
0.2544

 15.9372, 0.2542,
0.2150


 92.1754, 0.2800,
0.2604

 9.4797, 0.2436,
0.1981


118.9040, 0.2827,
0.2655

 5.0554, 0.2288,
0.1757

150.3565, 0.2850,
0.2699

 2.2798, 0.2069,
0.1453

186.9172, 0.2869,
0.2737

 0.7630, 0.1725,
0.1024

228.9707, 0.2887,

 0.0000, 0.0663,


0.2771


0.0000


276.9013, 0.2902,
0.2801


 0.0000, 0.0000,
0.0000


 36.4891, 0.2681,
0.2387


 36.4891, 0.2681,
0.2387


 28.0218, 0.2505,
0.2056


 46.5996, 0.2841,
0.2701


 21.1056, 0.2319,
0.1721


 58.4301, 0.2984,
0.2989


 15.6459, 0.2132,
0.1400

 72.0578, 0.3108,
0.3249

 11.5356, 0.1954,
0.1115

 87.5538, 0.3215,
0.3480

 8.6528, 0.1798,
0.0888

 98.1611, 0.3310,
0.3592

■ 6.8524, 0.1674,
0.0733

■ 5.9876, 0.1599,
0.0654

Harmonies

Analogous

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



36.4891, 0.2262, 0.2366



36.4891, 0.2681, 0.2387



36.4891, 0.3264, 0.2600

Triad

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



36.4891, 0.2681, 0.2387



36.4891, 0.4304, 0.3869



36.4891, 0.2408, 0.3607

Complementary

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



36.4891, 0.2681, 0.2387



69.1697, 0.3489, 0.4110

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.



36.4891, 0.2908, 0.4158



36.4891, 0.2681, 0.2387



36.4891, 0.4012, 0.4246

Square

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



36.4891, 0.2681, 0.2387



36.4891, 0.4256, 0.3409



36.4891, 0.3496, 0.4390



36.4891, 0.2114, 0.3003

Rectangle

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



36.4891, 0.2681, 0.2387



36.4891, 0.3674, 0.2828



36.4891, 0.3496, 0.4390



36.4891, 0.2556, 0.3811

Sweetspot

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



36.4905, 0.2681, 0.2387



81.1743, 0.3005, 0.3033



58.1473, 0.2654, 0.3112



16.8511, 0.2986, 0.2995



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.



36.4905, 0.2681, 0.2387



41.2288, 0.2567, 0.2170



40.8260, 0.2975, 0.2459



13.3814, 0.3013, 0.3050



3.5258, 0.1610, 0.0660



0.2829, 0.1756, 0.0741

Inverse Universe

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



43.2426, 0.3296, 0.2657



51.7245, 0.3340, 0.2525



64.6393, 0.3230, 0.4182



13.8837, 0.3170, 0.3107



11.0871, 0.3822, 0.1879



0.7810, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 36.4891, 0.2681, 0.2387 looks on a white background.

Color Contrast Check

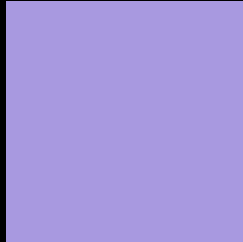
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.4891, 0.2681, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

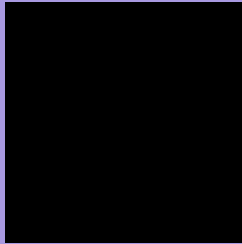
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4891, 0.2681, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 36.4891, 0.2681, 0.2387.



This preview shows how white text looks on a background with the Yxy color 36.4891, 0.2681, 0.2387.

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

36.4891, 0.2681, 0.2387

Protanopia

36.5175, 0.2453, 0.2367

Deuteranopia

36.7834, 0.2530, 0.2475



Tritanopia

36.6605, 0.2988, 0.3118

Trichromacy



Original Color

36.4891, 0.2681, 0.2387

Protanomaly

36.2947, 0.2530, 0.2365

Deuteranomaly

36.5537, 0.2578, 0.2436

Tritanomaly

36.3279, 0.2867, 0.2821

Monochromacy



Original Color

36.4891, 0.2681, 0.2387

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.2931, 0.2961, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4891, 0.2681, 0.2387 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(168, 153, 224)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 224)  
}
```

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(168, 153, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 224) }
```

Border

The CSS property to change the border of an element to Yxy 36.4891, 0.2681, 0.2387 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(168, 153, 224) }
```

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

```
.border{ border-color:rgb(168, 153, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 153, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 224);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4891, 0.2681, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 153, 224) }
```

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

```
.background{ background-color: rgb(168,  
153, 224) }
```

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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