

Converting Colors

$Y_{xy}(36.3368, 0.2757, 0.2393)$

Have a look what the booklet for
Yxy(36.3368, 0.2757, 0.2393)
contains.

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Color

Yxy(36.2006, 0.2751, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	AF96DE
RGB	175, 150, 222
RGB Percent	69%, 59%, 87%
CMY	0.3136, 0.4118, 0.1295
CMYK	0.21, 0.32, 0.00, 0.13
HSL	261°, 52%, 73%
HSV	261°, 32%, 87%
XYZ	41.7734, 36.2006, 73.8741
YIQ	165.6830, -8.2120, 27.6920

Conversions

Conversions Part 2

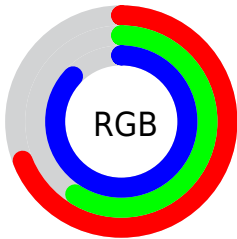
Format	Color
RYB	175, 150, 222
Decimal	11507422
CIELab	66.67, 23.80, -33.20
CIELCh	67, 40.853, 305.638
Yxy	36.2006, 0.2751, 0.2384
Android (android.graphics.Color)	4289697502 (0xFFAF96DE)
YUV	165.6830, 27.7643, 8.1710
Hunter-Lab	60.1669, 18.6390, -30.6806

Details

The Yxy color **36.2006, 0.2751, 0.2384** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.2917, 0.3421, 0.4151**, and the grayscale version is **37.8413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3947, 0.2978, 0.2765**, and **15.7786, 0.2622, 0.2141** is the 20% darker color. If you saturate the color by 10%, you get **28.1900, 0.2603, 0.2068**, and if you desaturate by 10%, it is **45.7354, 0.2885, 0.2688**.

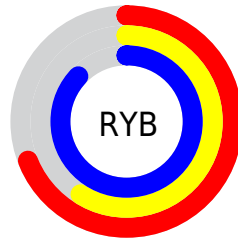
Distribution



Red (69%)

Green (59%)

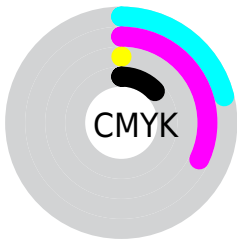
Blue (87%)



Red (69%)

Yellow (59%)

Blue (87%)

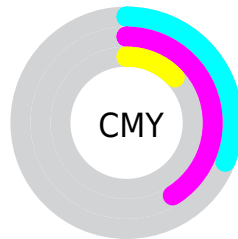


Cyan (21%)

Magenta (32%)

Yellow (0%)

Black (13%)



Cyan (31%)


Magenta (41%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2006, 0.2751, 0.2384 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 36.2006, 0.2751, 0.2384 by changing the saturation by 10% instead.


 36.2006, 0.2751,
0.2384


 36.2006, 0.2751,
0.2384


329.8365, 0.2951,
0.2825

 24.5892, 0.2698,
0.2279


 69.3416, 0.2826,
0.2541

 15.7712, 0.2629,
0.2147


 91.6399, 0.2853,
0.2601

 9.3624, 0.2536,
0.1978


118.2693, 0.2876,
0.2652

 4.9783, 0.2403,
0.1755

149.6142, 0.2896,
0.2696

 2.2345, 0.2204,
0.1451

186.0590, 0.2913,
0.2734

 0.7387, 0.1884,
0.1020

227.9880, 0.2927,

 0.0000, 0.0923,

0.2768

0.0000

275.7857, 0.2940,
0.2798

0.0000, 0.0000,
0.0000

36.2006, 0.2751,
0.2384

36.2006, 0.2751,
0.2384

28.1900, 0.2603,
0.2068

45.7354, 0.2885,
0.2688

21.6176, 0.2443,
0.1751

56.8655, 0.3003,
0.2972

16.3954, 0.2279,
0.1450

69.6625, 0.3105,
0.3231

12.4236, 0.2117,
0.1184

84.1925, 0.3192,
0.3465

9.5879, 0.1967,
0.0969

96.6414, 0.3272,
0.3617

■ 7.7516, 0.1837,
0.0817

■ 98.0525, 0.3322,
0.3612

■ 6.8599, 0.1755,
0.0740

Harmonies

Analogous

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



36.2006, 0.2289, 0.2329



36.2006, 0.2751, 0.2384



36.2006, 0.3367, 0.2630

Triad

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



36.2006, 0.2751, 0.2384



36.2006, 0.4314, 0.3951



36.2006, 0.2323, 0.3516

Complementary

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



36.2006, 0.2751, 0.2384



66.2917, 0.3421, 0.4151

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.



36.2006, 0.2810, 0.4117



36.2006, 0.2751, 0.2384



36.2006, 0.3966, 0.4317

Square

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



36.2006, 0.2751, 0.2384



36.2006, 0.4325, 0.3483



36.2006, 0.3412, 0.4417



36.2006, 0.2061, 0.2908

Rectangle

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



36.2006, 0.2751, 0.2384



36.2006, 0.3783, 0.2876



36.2006, 0.3412, 0.4417



36.2006, 0.2464, 0.3732

Sweetspot

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



36.2021, 0.2751, 0.2384



81.7773, 0.3028, 0.3035



52.1356, 0.2628, 0.2982



16.9962, 0.3013, 0.2997



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.



36.2021, 0.2751, 0.2384



41.8127, 0.2650, 0.2167



40.7820, 0.3057, 0.2461



13.4740, 0.3035, 0.3051



4.1316, 0.1769, 0.0748



0.3350, 0.1940, 0.0843

Inverse Universe

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



41.3647, 0.3394, 0.2748



50.0747, 0.3470, 0.2632



62.1111, 0.3164, 0.4225



13.8504, 0.3191, 0.3138



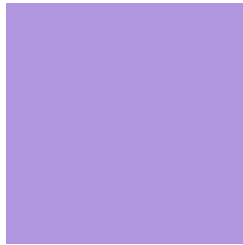
10.4560, 0.4326, 0.2157



0.7415, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 36.2006, 0.2751, 0.2384 looks on a white background.

Color Contrast Check

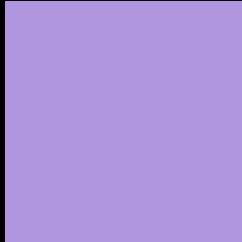
Large Text (above 18pt) WCAG AA × Fail

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 36.2006, 0.2751, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

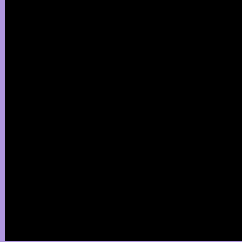
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2006, 0.2751, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 36.2006, 0.2751, 0.2384.



This preview shows how white text looks on a background with the Yxy color 36.2006, 0.2751, 0.2384.

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

36.2006, 0.2751, 0.2384

Protanopia

36.4302, 0.2446, 0.2365

Deuteranopia

36.3287, 0.2541, 0.2484



Tritanopia

36.2272, 0.3078, 0.3120

Trichromacy



Original Color

36.2006, 0.2751, 0.2384

Protanomaly

36.0953, 0.2549, 0.2366

Deuteranomaly

36.0653, 0.2611, 0.2436

Tritanomaly

35.9297, 0.2953, 0.2826

Monochromacy



Original Color

36.2006, 0.2751, 0.2384

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.1218, 0.2987, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2006, 0.2751, 0.2384 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(175, 150, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 150, 222)  
}
```

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(175, 150, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 150, 222) }
```

Border

The CSS property to change the border of an element to Yxy 36.2006, 0.2751, 0.2384 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(175, 150, 222) }
```

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

```
.border{ border-color:rgb(175, 150, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 150, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 150, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 150, 222);  
box-shadow:4px 4px 4px 4px rgb(175, 150,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2006, 0.2751, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 150, 222) }
```

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

```
.background{ background-color: rgb(175,  
150, 222) }
```

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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