

Converting Colors

$Yxy(36.5011, 0.2727, 0.2403)$

Have a look what the booklet for
Yxy(36.5011, 0.2727, 0.2403)
contains.

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Color

Yxy(36.5011, 0.2727, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	AC98DE
RGB	172, 152, 222
RGB Percent	67%, 60%, 87%
CMY	0.3256, 0.4039, 0.1294
CMYK	0.23, 0.32, 0.00, 0.13
HSL	257°, 51%, 73%
HSV	257°, 32%, 87%
XYZ	41.4226, 36.5011, 73.9743
YIQ	165.9600, -10.5500, 26.0100

Conversions

Conversions Part 2

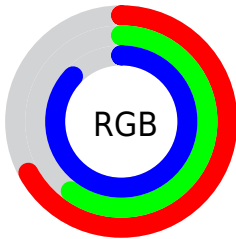
Format	Color
R_{YB}	172, 152, 222
Decimal	11311326
CIE _{Lab}	66.90, 21.75, -32.89
CIE _{LCh}	67, 39.431, 303.481
Yxy	36.5011, 0.2727, 0.2403
Android (android.graphics.Color)	4289501406 (0xFFAC98DE)
YUV	165.9600, 27.6277, 5.2971
Hunter-Lab	60.4161, 16.6552, -30.3042

Details

The Yxy color **36.5011, 0.2727, 0.2403** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.0769, 0.3447, 0.4117**, and the grayscale version is **37.9805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8566, 0.2957, 0.2782**, and **15.9489, 0.2592, 0.2165** is the 20% darker color. If you saturate the color by 10%, you get **28.2679, 0.2567, 0.2080**, and if you desaturate by 10%, it is **46.3003, 0.2872, 0.2710**.

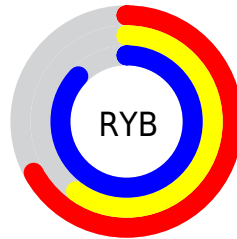
Distribution



Red (67%)

Green (60%)

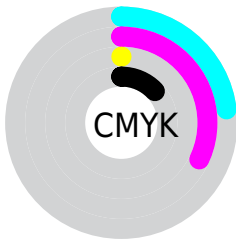
Blue (87%)



Red (67%)

Yellow (60%)

Blue (87%)

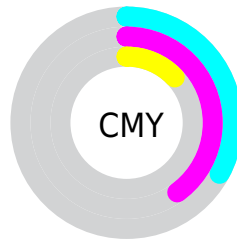


Cyan (23%)

Magenta (32%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (40%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5011, 0.2727, 0.2403 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 36.5011, 0.2727, 0.2403 by changing the saturation by 10% instead.


 36.5011, 0.2727,
0.2403


 36.5011, 0.2727,
0.2403


331.1455, 0.2938,
0.2836

 24.8215, 0.2672,
0.2300


 69.8048, 0.2806,
0.2557

 15.9441, 0.2600,
0.2170


 92.1976, 0.2835,
0.2616

 9.4846, 0.2503,
0.2003


118.9303, 0.2859,
0.2666

 5.0586, 0.2365,
0.1783

150.3873, 0.2880,
0.2709

 2.2817, 0.2160,
0.1481

186.9529, 0.2897,
0.2747

 0.7640, 0.1833,
0.1053

229.0115, 0.2913,


 0.0000, 0.0825,


0.2780


0.0000


276.9476, 0.2926,
0.2809


 0.0000, 0.0000,
0.0000


 36.5011, 0.2727,
0.2403


 36.5011, 0.2727,
0.2403


 28.2679, 0.2567,
0.2080


 46.3003, 0.2872,
0.2710


 21.5135, 0.2395,
0.1755


 57.7379, 0.3000,
0.2995


 16.1486, 0.2219,
0.1443

 70.8870, 0.3112,
0.3253

 12.0721, 0.2048,
0.1165

 85.8147, 0.3207,
0.3484

 9.1687, 0.1892,
0.0940

 97.3631, 0.3298,
0.3614

■ 7.3014, 0.1762,
0.0782

■ 98.0543, 0.3321,
0.3611

■ 6.3416, 0.1674,
0.0696

Harmonies

Analogous

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



36.5011, 0.2293, 0.2365



36.5011, 0.2727, 0.2403



36.5011, 0.3315, 0.2629

Triad

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



36.5011, 0.2727, 0.2403



36.5011, 0.4284, 0.3901



36.5011, 0.2380, 0.3553

Complementary

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



36.5011, 0.2727, 0.2403



67.0769, 0.3447, 0.4117

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.



36.5011, 0.2864, 0.4116



36.5011, 0.2727, 0.2403



36.5011, 0.3971, 0.4263

Square

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



36.5011, 0.2727, 0.2403



36.5011, 0.4266, 0.3447



36.5011, 0.3447, 0.4378



36.5011, 0.2107, 0.2961

Rectangle

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



36.5011, 0.2727, 0.2403



36.5011, 0.3718, 0.2863



36.5011, 0.3447, 0.4378



36.5011, 0.2522, 0.3759

Sweetspot

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



36.5026, 0.2727, 0.2403



83.2418, 0.3029, 0.3061



54.2745, 0.2647, 0.3038



17.2768, 0.3012, 0.3022



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.



36.5026, 0.2727, 0.2403



42.1139, 0.2620, 0.2186



40.9774, 0.3028, 0.2477



13.4316, 0.3025, 0.3051



3.8153, 0.1687, 0.0703



0.3090, 0.1850, 0.0793

Inverse Universe

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



42.2576, 0.3343, 0.2716



51.3140, 0.3404, 0.2592



62.7490, 0.3188, 0.4188



13.8655, 0.3181, 0.3124



10.7247, 0.4087, 0.2025



0.7585, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 36.5011, 0.2727, 0.2403 looks on a white background.

Color Contrast Check

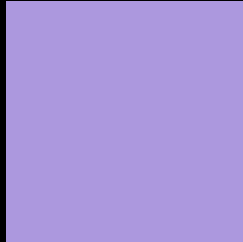
Large Text (above 18pt) WCAG AA × Fail

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 36.5011, 0.2727, 0.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

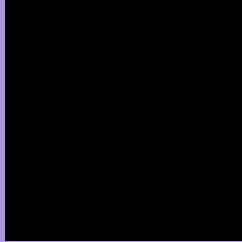
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5011, 0.2727, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 36.5011, 0.2727, 0.2403.



This preview shows how white text looks on a background with the Yxy color 36.5011, 0.2727, 0.2403.

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

36.5011, 0.2727, 0.2403

Protanopia

36.5495, 0.2465, 0.2379

Deuteranopia

36.7680, 0.2550, 0.2499



Tritanopia

36.3323, 0.3033, 0.3105

Trichromacy



Original Color

36.5011, 0.2727, 0.2403

Protanomaly

36.3772, 0.2557, 0.2390

Deuteranomaly

36.6427, 0.2606, 0.2461

Tritanomaly

36.3223, 0.2918, 0.2837

Monochromacy



Original Color

36.5011, 0.2727, 0.2403

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.3597, 0.2978, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5011, 0.2727, 0.2403 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(172, 152, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 152, 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(172, 152, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 152, 222) }
```

Border

The CSS property to change the border of an element to Yxy 36.5011, 0.2727, 0.2403 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(172, 152, 222) }
```

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

```
.border{ border-color:rgb(172, 152, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 152, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 152, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 152, 222);  
box-shadow:4px 4px 4px 4px rgb(172, 152,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5011, 0.2727, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 152, 222) }
```

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

```
.background{ background-color: rgb(172,  
152, 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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