

Converting Colors

$Yxy(39.8258, 0.2745, 0.2412)$

Have a look what the booklet for
Yxy(39.8258, 0.2745, 0.2412)
contains.

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Color

Yxy(39.8702, 0.2741, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	B49EE6
RGB	180, 158, 230
RGB Percent	71%, 62%, 90%
CMY	0.2942, 0.3803, 0.0980
CMYK	0.22, 0.31, 0.00, 0.10
HSL	258°, 59%, 76%
HSV	258°, 31%, 90%
XYZ	45.3273, 39.8702, 80.1704
YIQ	172.7860, -10.0000, 27.0560

Conversions

Conversions Part 2

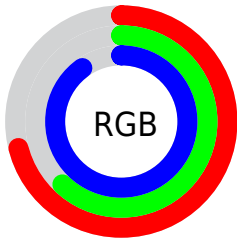
Format	Color
R_{YB}	180, 158, 230
Decimal	11837158
CIE _{Lab}	69.38, 22.64, -33.40
CIE _{LCh}	69, 40.346, 304.129
Yxy	39.8702, 0.2741, 0.2411
Android (android.graphics.Color)	4290027238 (0xFFB49EE6)
YUV	172.7860, 28.2065, 6.3267
Hunter-Lab	63.1429, 17.6369, -31.0785

Details

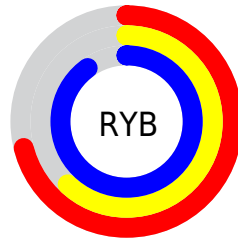
The Yxy color $39.8702, 0.2741, 0.2411$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $72.4797, 0.3435, 0.4115$, and the grayscale version is $41.5318, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.8130, 0.3020, 0.2864$, and $17.7997, 0.2624, 0.2183$ is the 20% darker color. If you saturate the color by 10%, you get $30.9364, 0.2585, 0.2090$, and if you desaturate by 10%, it is $50.4967, 0.2882, 0.2717$.

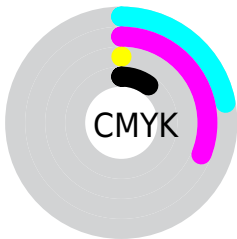
Distribution



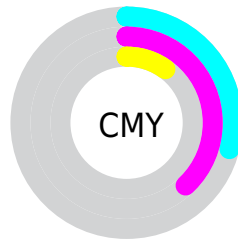
- Red (71%)
- Green (62%)
- Blue (90%)



- Red (71%)
- Yellow (62%)
- Blue (90%)



- Cyan (22%)
- Magenta (31%)
- Yellow (0%)
- Black (10%)





- Cyan (29%)
- Magenta (38%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8702, 0.2741, 0.2411 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 39.8702, 0.2741, 0.2411 by changing the saturation by 10% instead.


 39.8702, 0.2741,
0.2411


 39.8702, 0.2741,
0.2411


345.5762, 0.2942,
0.2833

 27.4374, 0.2689,
0.2312


 74.9658, 0.2815,
0.2560

 17.9020, 0.2622,
0.2188


 98.3974, 0.2843,
0.2617

 10.8796, 0.2533,
0.2030


126.2640, 0.2866,
0.2666

 5.9859, 0.2408,
0.1824

158.9500, 0.2886,
0.2709

 2.8365, 0.2223,
0.1544

196.8398, 0.2903,
0.2746

 1.0470, 0.1934,
0.1157

240.3179, 0.2918,

 0.0000, 0.1427,

0.2778

0.0000

289.7685, 0.2931,
0.2807

0.0000, 0.0000,
0.0000

39.8702, 0.2741,
0.2411

39.8702, 0.2741,
0.2411

30.9364, 0.2585,
0.2090

50.4967, 0.2882,
0.2717

23.6010, 0.2417,
0.1766

62.8940, 0.3007,
0.3001

17.7675, 0.2244,
0.1456

77.1410, 0.3114,
0.3259

13.3268, 0.2075,
0.1180

93.3103, 0.3207,
0.3489

10.1544, 0.1920,
0.0955

98.4933, 0.3274,
0.3532

■ 8.1021, 0.1788,
0.0796

■ 7.0214, 0.1696,
0.0708

Harmonies

Analogous

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



39.8702, 0.2305, 0.2369



39.8702, 0.2741, 0.2411



39.8702, 0.3327, 0.2640

Triad

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



39.8702, 0.2741, 0.2411



39.8702, 0.4273, 0.3908



39.8702, 0.2376, 0.3538

Complementary

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



39.8702, 0.2741, 0.2411



72.4797, 0.3435, 0.4115

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.



39.8702, 0.2854, 0.4100



39.8702, 0.2741, 0.2411



39.8702, 0.3956, 0.4263

Square

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



39.8702, 0.2741, 0.2411



39.8702, 0.4263, 0.3456



39.8702, 0.3433, 0.4369



39.8702, 0.2110, 0.2953

Rectangle

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



39.8702, 0.2741, 0.2411



39.8702, 0.3726, 0.2874



39.8702, 0.3433, 0.4369



39.8702, 0.2516, 0.3743

Sweetspot

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



39.8718, 0.2741, 0.2411



83.3210, 0.3032, 0.3061



58.2935, 0.2648, 0.3024



17.2962, 0.3016, 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.



39.8718, 0.2741, 0.2411



42.3560, 0.2634, 0.2190



44.7104, 0.3039, 0.2483



14.0993, 0.3028, 0.3050



4.0313, 0.1710, 0.0716



0.3453, 0.1867, 0.0802

Inverse Universe

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



45.8378, 0.3355, 0.2734



51.2082, 0.3421, 0.2609



67.8810, 0.3180, 0.4185



14.5364, 0.3184, 0.3128



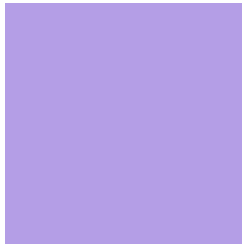
10.9807, 0.4162, 0.2067



0.8278, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 39.8702, 0.2741, 0.2411 looks on a white background.

Color Contrast Check

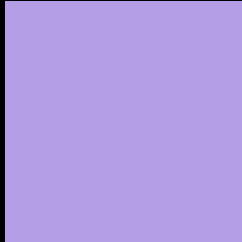
Large Text (above 18pt) WCAG AA × Fail

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 39.8702, 0.2741, 0.2411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

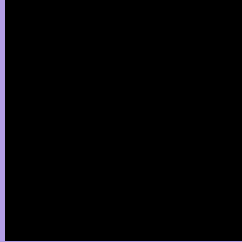
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8702, 0.2741, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 39.8702, 0.2741, 0.2411.



This preview shows how white text looks on a background with the Yxy color 39.8702, 0.2741, 0.2411.

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

39.8702, 0.2741, 0.2411

Protanopia

40.0478, 0.2474, 0.2398

Deuteranopia

40.0112, 0.2561, 0.2502



Tritanopia

39.9994, 0.3045, 0.3113

Trichromacy



Original Color

39.8702, 0.2741, 0.2411

Protanomaly

39.9650, 0.2569, 0.2409

Deuteranomaly

39.9946, 0.2623, 0.2467

Tritanomaly

39.6731, 0.2926, 0.2829

Monochromacy



Original Color

39.8702, 0.2741, 0.2411

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1304, 0.2984, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8702, 0.2741, 0.2411 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(180, 158, 230)` looks like.

```
.text, #text, p{  
    color:rgb(180, 158, 230)  
}
```

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(180, 158, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 158, 230) }
```

Border

The CSS property to change the border of an element to Yxy 39.8702, 0.2741, 0.2411 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(180, 158, 230) }
```

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

```
.border{ border-color:rgb(180, 158, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 158, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 158, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 158, 230);  
box-shadow:4px 4px 4px 4px rgb(180, 158,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8702, 0.2741, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 158, 230) }
```

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

```
.background{ background-color: rgb(180,  
158, 230) }
```

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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