

Converting Colors

$Y_{xy}(47.7258, 0.2711, 0.2409)$

Have a look what the booklet for
Yxy(47.7258, 0.2711, 0.2409)
contains.

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Color

Yxy(47.6136, 0.2712, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	C0ACFA
RGB	192, 172, 250
RGB Percent	75%, 67%, 98%
CMY	0.2472, 0.3254, 0.0196
CMYK	0.23, 0.31, 0.00, 0.02
HSL	255°, 89%, 83%
HSV	255°, 31%, 98%
XYZ	53.7362, 47.6136, 96.7925
YIQ	186.8720, -13.1180, 28.4980

Conversions

Conversions Part 2

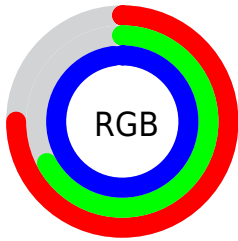
Format	Color
R_{YB}	192, 172, 250
Decimal	12627194
CIE _{Lab}	74.58, 23.01, -36.13
CIE _{LCh}	75, 42.835, 302.487
Yxy	47.6136, 0.2712, 0.2403
Android (android.graphics.Color)	4290817274 (0xFFC0ACFA)
YUV	186.8720, 31.1221, 4.4973
Hunter-Lab	69.0026, 18.2534, -34.8665

Details

The Yxy color $47.6136, 0.2712, 0.2403$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $88.1772, 0.3461, 0.4109$, and the grayscale version is $49.4436, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.2979, 0.3099, 0.3015$, and $22.6016, 0.2597, 0.2201$ is the 20% darker color. If you saturate the color by 10%, you get $36.7000, 0.2545, 0.2075$, and if you desaturate by 10%, it is $60.6278, 0.2864, 0.2714$.

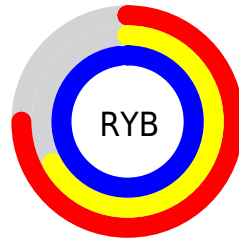
Distribution



Red (75%)

Green (67%)

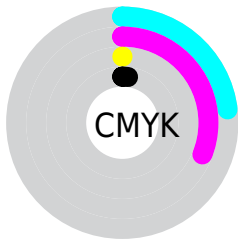
Blue (98%)



Red (75%)

Yellow (67%)

Blue (98%)

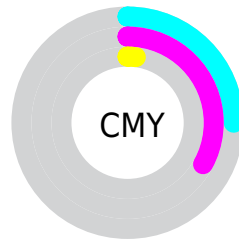


Cyan (23%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (25%)


Magenta (33%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6136, 0.2712, 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 47.6136, 0.2712, 0.2403 by changing the saturation by 10% instead.


 47.6136, 0.2712,
0.2403

 47.6136, 0.2712,
0.2403


377.2585, 0.2921,
0.2816

 33.5210, 0.2660,
0.2309


 86.6288, 0.2788,
0.2546

 22.5259, 0.2595,
0.2194


112.3202, 0.2816,
0.2602

 14.2438, 0.2510,
0.2050

142.6467, 0.2840,
0.2650

 8.2904, 0.2394,
0.1864

177.9926, 0.2861,
0.2692

 4.2813, 0.2230,
0.1620

218.7423, 0.2879,
0.2729

 1.8322, 0.1987,
0.1290

265.2803, 0.2895,

 0.5071, 0.1615,

0.2761

0.0772

317.9909, 0.2909,
0.2790

0.0000, 0.0000,
0.0000

47.6136, 0.2712,
0.2403

47.6136, 0.2712,
0.2403

36.7000, 0.2545,
0.2075

60.6278, 0.2864,
0.2714

27.7694, 0.2366,
0.1744

75.8406, 0.2998,
0.3002

20.7009, 0.2184,
0.1426

93.3504, 0.3114,
0.3261

15.3581, 0.2009,
0.1143

99.6816, 0.3156,
0.3338

11.5849, 0.1851,
0.0916

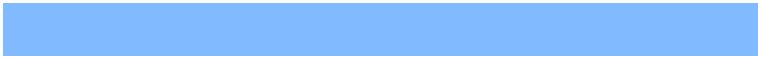
■ 9.1956, 0.1723,
0.0759

■ 7.9889, 0.1637,
0.0675

Harmonies

Analogous

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



47.6136, 0.2287, 0.2372



47.6136, 0.2712, 0.2403



47.6136, 0.3293, 0.2623

Triad

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



47.6136, 0.2712, 0.2403



47.6136, 0.4282, 0.3885



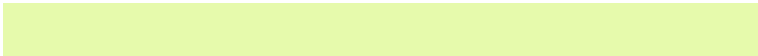
47.6136, 0.2397, 0.3573

Complementary

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



47.6136, 0.2712, 0.2403



88.1772, 0.3461, 0.4109

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.



47.6136, 0.2884, 0.4125



47.6136, 0.2712, 0.2403



47.6136, 0.3981, 0.4249

Square

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



47.6136, 0.2712, 0.2403



47.6136, 0.4253, 0.3431



47.6136, 0.3464, 0.4373



47.6136, 0.2117, 0.2981

Rectangle

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



47.6136, 0.2712, 0.2403



47.6136, 0.3696, 0.2852



47.6136, 0.3464, 0.4373



47.6136, 0.2540, 0.3775

Sweetspot

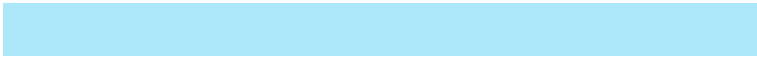
The Sweet Spot groups the original color and five complimentary colors.



47.6155, 0.2712, 0.2403



83.1243, 0.3025, 0.3061



72.5462, 0.2653, 0.3069



17.2480, 0.3007, 0.3021



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.



47.6155, 0.2712, 0.2403



42.8738, 0.2616, 0.2213



53.3203, 0.3008, 0.2475



16.8574, 0.3019, 0.3048



4.2955, 0.1650, 0.0683



0.4462, 0.1766, 0.0747

Inverse Universe

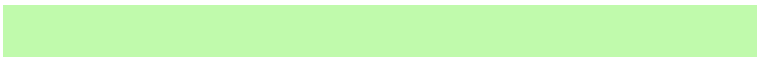
The Inverse Universe completely reimagines the original color for something new.



55.5517, 0.3323, 0.2696



52.3901, 0.3370, 0.2584



82.4881, 0.3205, 0.4180



17.4443, 0.3177, 0.3115



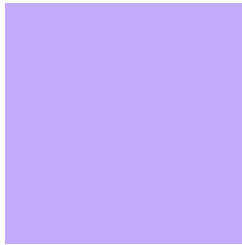
12.6873, 0.3984, 0.1969



1.1922, 0.3871, 0.1906

Previews

White Background



This preview shows how the Yxy color 47.6136, 0.2712, 0.2403 looks on a white background.

Color Contrast Check

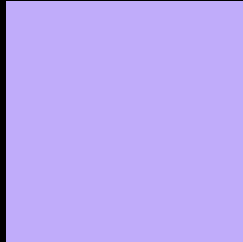
Large Text (above 18pt) WCAG AA × Fail

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 47.6136, 0.2712, 0.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

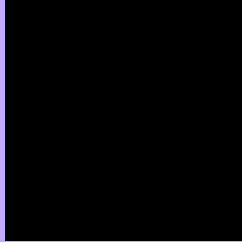
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6136, 0.2712, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 47.6136, 0.2712, 0.2403.



This preview shows how white text looks on a background with the Yxy color 47.6136, 0.2712, 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

47.6136, 0.2712, 0.2403

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

47.8244, 0.2548, 0.2487



Tritanopia

47.4322, 0.3011, 0.3099

Trichromacy



Original Color

47.6136, 0.2712, 0.2403

Protanomaly

47.7033, 0.2561, 0.2411

Deuteranomaly

47.7943, 0.2604, 0.2455

Tritanomaly

47.2378, 0.2902, 0.2823

Monochromacy



Original Color

47.6136, 0.2712, 0.2403

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9279, 0.2971, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6136, 0.2712, 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(192, 172, 250)` looks like.

```
.text, #text, p{  
    color:rgb(192, 172, 250)  
}
```

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(192, 172, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 172, 250) }
```

Border

The CSS property to change the border of an element to Yxy 47.6136, 0.2712, 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(192, 172, 250) }
```

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

```
.border{ border-color:rgb(192, 172, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 172, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 172, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 172, 250);  
box-shadow:4px 4px 4px 4px rgb(192, 172,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6136, 0.2712, 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(192, 172, 250) }
```

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

```
.background{ background-color: rgb(192,  
172, 250) }
```

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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