

Converting Colors

$Y_{xy}(51.9200, 0.3078, 0.2690)$

Have a look what the booklet for
Yxy(51.9200, 0.3078, 0.2690)
contains.

Yxy(52.1360, 0.3081, 0.2694)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.1360, 0.3081, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	DDB0E6
RGB	221, 176, 230
RGB Percent	87%, 69%, 90%
CMY	0.1333, 0.3098, 0.0981
CMYK	0.04, 0.23, 0.00, 0.10
HSL	290°, 52%, 80%
HSV	290°, 23%, 90%
XYZ	59.6255, 52.1360, 81.7649
YIQ	195.6110, 9.4860, 26.3340

Conversions

Conversions Part 2

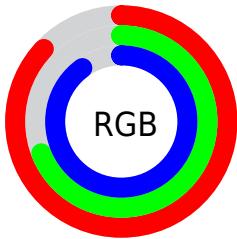
Format	Color
R _Y B	221, 176, 230
Decimal	14528742
CIE Lab	77.36, 25.60, -20.82
CIE LCh	77, 32.998, 320.881
Yxy	52.1360, 0.3081, 0.2694
Android (android.graphics.Color)	4292718822 (0xFFDDB0E6)
YUV	195.6110, 16.9538, 22.2662
Hunter-Lab	72.2053, 21.0420, -16.5960

Details

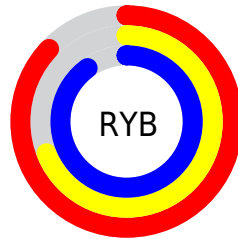
The Yxy color $52.1360, 0.3081, 0.2694$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.0261, 0.3157, 0.3939$, and the grayscale version is $54.8506, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $25.2212, 0.3061, 0.2553$ is the 20% darker color. If you saturate the color by 10%, you get $43.2773, 0.3054, 0.2432$, and if you desaturate by 10%, it is $62.5405, 0.3104, 0.2954$.

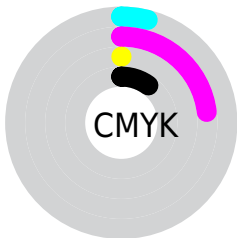
Distribution



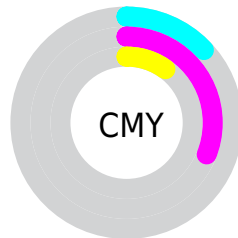
- Red (87%)
- Green (69%)
- Blue (90%)



- Red (87%)
- Yellow (69%)
- Blue (90%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (10%)





- Cyan (13%)
- Magenta (31%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1360, 0.3081, 0.2694 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 52.1360, 0.3081, 0.2694 by changing the saturation by 10% instead.

 52.1360, 0.3081,
0.2694

 52.1360, 0.3081,
0.2694

394.9614, 0.3109,
0.2972

 37.1135, 0.3073,
0.2630


 93.3318, 0.3092,
0.2791

 25.2954, 0.3062,
0.2551


120.2738, 0.3096,
0.2829

 16.2973, 0.3047,
0.2450


151.9579, 0.3099,
0.2861

 9.7347, 0.3025,
0.2319

188.7683, 0.3102,
0.2889

 5.2234, 0.2990,
0.2140

231.0894, 0.3104,
0.2914

 2.3790, 0.2929,
0.1885

279.3057, 0.3106,

 0.8150, 0.2810,

0.2936

0.1495

333.8016, 0.3107,
0.2955

0.0000, 0.2323,
0.0000

0.0000, 0.0000,
0.0000

52.1360, 0.3081,
0.2694

52.1360, 0.3081,
0.2694

43.2773, 0.3054,
0.2432

62.5405, 0.3104,
0.2954

35.8807, 0.3022,
0.2177


74.5557, 0.3122,
0.3206

29.8646, 0.2985,
0.1939


88.2510, 0.3136,
0.3444

25.1368, 0.2945,
0.1729


95.1150, 0.3155,
0.3541

 21.5937, 0.2903,
0.1556


 95.7773, 0.3179,
0.3540

 19.1156, 0.2859,
0.1427

 96.4537, 0.3203,
0.3538

 17.5573, 0.2815,
0.1344

 97.1442, 0.3227,
0.3536

 16.8869, 0.2786,
0.1309

 97.8490, 0.3252,
0.3534

 98.4918, 0.3274,
0.3532

Harmonies

Analogous

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



52.1360, 0.2672, 0.2579



52.1360, 0.3081, 0.2694



52.1360, 0.3532, 0.2942

Triad

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



52.1360, 0.3081, 0.2694



52.1360, 0.3889, 0.3936



52.1360, 0.2419, 0.3232

Complementary

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



52.1360, 0.3081, 0.2694



70.0261, 0.3157, 0.3939

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.



52.1360, 0.2709, 0.3671



52.1360, 0.3081, 0.2694



52.1360, 0.3557, 0.4090

Square

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



52.1360, 0.3081, 0.2694



52.1360, 0.4016, 0.3632



52.1360, 0.3123, 0.4002



52.1360, 0.2312, 0.2852

Rectangle

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



52.1360, 0.3081, 0.2694



52.1360, 0.3787, 0.3158



52.1360, 0.3123, 0.4002



52.1360, 0.2497, 0.3379

Sweetspot

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



52.1382, 0.3081, 0.2694



88.5770, 0.3116, 0.3117



49.6411, 0.2737, 0.2743



18.7588, 0.3115, 0.3102



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.



52.1382, 0.3081, 0.2694



60.4137, 0.3069, 0.2571



52.6249, 0.3300, 0.2893



14.4877, 0.3111, 0.3057



9.6088, 0.2793, 0.1312



0.7424, 0.2857, 0.1348

Inverse Universe

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



51.3738, 0.3533, 0.3189



59.3362, 0.3641, 0.3168



69.7058, 0.2988, 0.3724



14.4069, 0.3266, 0.3251



9.6163, 0.6154, 0.3164



0.7224, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 52.1360, 0.3081, 0.2694 looks on a white background.

Color Contrast Check

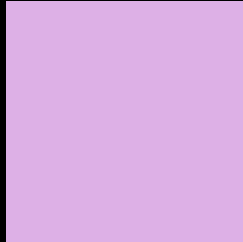
Large Text (above 18pt) WCAG AA × Fail

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 52.1360, 0.3081, 0.2694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

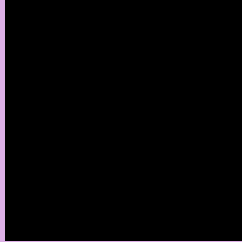
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1360, 0.3081, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 52.1360, 0.3081, 0.2694.



This preview shows how white text looks on a background with the Yxy color 52.1360, 0.3081, 0.2694.

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

52.1360, 0.3081, 0.2694

Protanopia

52.2109, 0.2706, 0.2697

Deuteranopia

52.3486, 0.2869, 0.2806



Tritanopia

52.0403, 0.3306, 0.3127

Trichromacy



Original Color

52.1360, 0.3081, 0.2694

Protanomaly

51.8064, 0.2828, 0.2687

Deuteranomaly

52.2206, 0.2944, 0.2760

Tritanomaly

52.1020, 0.3227, 0.2969

Monochromacy



Original Color

52.1360, 0.3081, 0.2694

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

53.9284, 0.3113, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1360, 0.3081, 0.2694 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(221, 176, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 176, 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(221, 176, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 176, 230) }
```

Border

The CSS property to change the border of an element to Yxy 52.1360, 0.3081, 0.2694 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(221, 176, 230) }
```

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

```
.border{ border-color:rgb(221, 176, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 176, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 176, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 176, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 176,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1360, 0.3081, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 176, 230) }
```

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

```
.background{ background-color: rgb(221,  
176, 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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