

Converting Colors

$Y_{xy}(53.8011, 0.3036, 0.2756)$

Have a look what the booklet for
Yxy(53.8011, 0.3036, 0.2756)
contains.

Yxy(53.7680, 0.3039, 0.2754)	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(53.7680, 0.3039, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	D8B6E6
RGB	216, 182, 230
RGB Percent	85%, 71%, 90%
CMY	0.1529, 0.2863, 0.0979
CMYK	0.06, 0.21, 0.00, 0.10
HSL	282°, 49%, 81%
HSV	282°, 21%, 90%
XYZ	59.3322, 53.7680, 82.1358
YIQ	197.6380, 4.8560, 22.1360

Conversions

Conversions Part 2

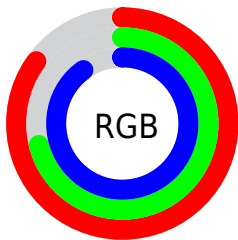
Format	Color
R _Y B	216, 182, 230
Decimal	14202598
CIE Lab	78.33, 20.74, -19.43
CIE LCh	78, 28.422, 316.869
Yxy	53.7680, 0.3039, 0.2754
Android (android.graphics.Color)	4292392678 (0xFFD8B6E6)
YUV	197.6380, 15.9545, 16.1035
Hunter-Lab	73.3267, 16.1115, -15.0842

Details

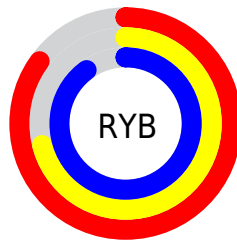
The Yxy color **53.7680, 0.3039, 0.2754** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.7287, 0.3196, 0.3852**, and the grayscale version is **56.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **26.3336, 0.3017, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **44.1066, 0.2985, 0.2481**, and if you desaturate by 10%, it is **65.0234, 0.3085, 0.3018**.

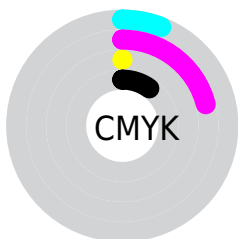
Distribution



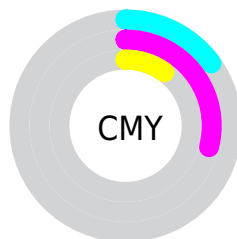
- Red (85%)
- Green (71%)
- Blue (90%)



- Red (85%)
- Yellow (71%)
- Blue (90%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)





- Cyan (15%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7680, 0.3039, 0.2754 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 53.7680, 0.3039, 0.2754 by changing the saturation by 10% instead.


 53.7680, 0.3039,
0.2754

 53.7680, 0.3039,
0.2754


401.2247, 0.3086,
0.3005

 38.4162, 0.3027,
0.2696

 95.7335, 0.3056,
0.2842

 26.3059, 0.3011,
0.2624


123.1160, 0.3063,
0.2875

 17.0526, 0.2990,
0.2533


155.2776, 0.3068,
0.2905

 10.2720, 0.2960,
0.2414

192.6026, 0.3073,
0.2930

 5.5797, 0.2914,
0.2251

235.4754, 0.3077,
0.2952

 2.5912, 0.2840,
0.2016

284.2804, 0.3080,

 0.9223, 0.2702,

0.2972

0.1654

339.4021, 0.3083,
0.2989

0.0000, 0.2201,
0.0000

0.0000, 0.0000,
0.0000

53.7680, 0.3039,
0.2754

53.7680, 0.3039,
0.2754

44.1066, 0.2985,
0.2481

65.0234, 0.3085,
0.3018

35.9563, 0.2922,
0.2208

77.9368, 0.3124,
0.3269

29.2372, 0.2853,
0.1944

92.5768, 0.3156,
0.3502

23.8589, 0.2778,
0.1701

96.2686, 0.3196,
0.3538

■ 19.7206, 0.2699,
0.1492

■ 97.4856, 0.3239,
0.3535

■ 16.7069, 0.2618,
0.1325

■ 98.4949, 0.3273,
0.3532

■ 14.6801, 0.2540,
0.1206

■ 13.4825, 0.2471,
0.1135

Harmonies

Analogous

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



53.7680, 0.2698, 0.2673



53.7680, 0.3039, 0.2754



53.7680, 0.3424, 0.2957

Triad

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



53.7680, 0.3039, 0.2754



53.7680, 0.3805, 0.3819



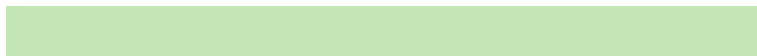
53.7680, 0.2544, 0.3295

Complementary

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



53.7680, 0.3039, 0.2754



71.7287, 0.3196, 0.3852

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.



53.7680, 0.2814, 0.3658



53.7680, 0.3039, 0.2754



53.7680, 0.3543, 0.3964

Square

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



53.7680, 0.3039, 0.2754



53.7680, 0.3882, 0.3551



53.7680, 0.3178, 0.3913



53.7680, 0.2427, 0.2957

Rectangle

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



53.7680, 0.3039, 0.2754



53.7680, 0.3650, 0.3140



53.7680, 0.3178, 0.3913



53.7680, 0.2619, 0.3419

Sweetspot

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



53.7703, 0.3039, 0.2754



89.7857, 0.3105, 0.3142



55.3257, 0.2789, 0.2889



18.9900, 0.3102, 0.3125



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.



53.7703, 0.3039, 0.2754



62.4876, 0.3017, 0.2638



55.4747, 0.3226, 0.2871



14.3927, 0.3091, 0.3055



7.6965, 0.2483, 0.1141



0.6159, 0.2592, 0.1202

Inverse Universe

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



54.2720, 0.3426, 0.3133



63.2777, 0.3504, 0.3099



70.3445, 0.3042, 0.3749



14.4369, 0.3247, 0.3222



9.7736, 0.5784, 0.2960



0.7380, 0.5367, 0.2730

Previews

White Background



This preview shows how the Yxy color 53.7680, 0.3039, 0.2754 looks on a white background.

Color Contrast Check

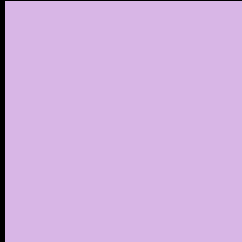
Large Text (above 18pt) WCAG AA × Fail

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 53.7680, 0.3039, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

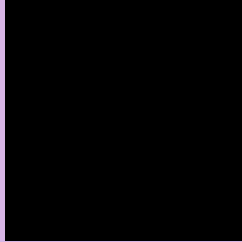
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7680, 0.3039, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 53.7680, 0.3039, 0.2754.



This preview shows how white text looks on a background with the Yxy color 53.7680, 0.3039, 0.2754.

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

53.7680, 0.3039, 0.2754

Protanopia

54.0040, 0.2756, 0.2761

Deuteranopia

53.7881, 0.2893, 0.2824



Tritanopia

53.8020, 0.3218, 0.3115

Trichromacy



Original Color

53.7680, 0.3039, 0.2754

Protanomaly

53.6427, 0.2858, 0.2758

Deuteranomaly

53.4715, 0.2945, 0.2795

Tritanomaly

53.5975, 0.3150, 0.2979

Monochromacy



Original Color

53.7680, 0.3039, 0.2754

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

55.3316, 0.3097, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7680, 0.3039, 0.2754 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(216, 182, 230)` looks like.

```
.text, #text, p{  
    color:rgb(216, 182, 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(216, 182, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 182, 230) }
```

Border

The CSS property to change the border of an element to Yxy 53.7680, 0.3039, 0.2754 is called "border". The border property can be set on classes, ids or directly on the HTML element.

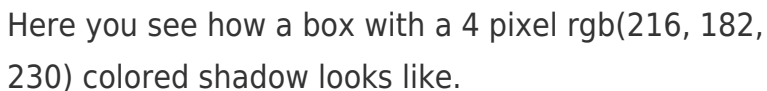
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 182, 230) }
```

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

```
.border{ border-color:rgb(216, 182, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 182, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 182, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 182, 230); box-shadow:4px 4px 4px 4px rgb(216, 182, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7680, 0.3039, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 182, 230) }
```

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

```
.background{ background-color: rgb(216,  
182, 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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