

Converting Colors

Yxy(53.4788, 0.2960, 0.2513)

Have a look what the booklet for
Yxy(53.4788, 0.2960, 0.2513)
contains.

Yxy(53.5782, 0.2957, 0.2512)	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(53.5782, 0.2957, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	DFB0F9
RGB	223, 176, 249
RGB Percent	87%, 69%, 98%
CMY	0.1252, 0.3099, 0.0235
CMYK	0.10, 0.29, 0.00, 0.02
HSL	279°, 86%, 83%
HSV	279°, 29%, 98%
XYZ	63.0696, 53.5782, 96.6413
YIQ	198.3750, 4.5790, 32.6670

Conversions

Conversions Part 2

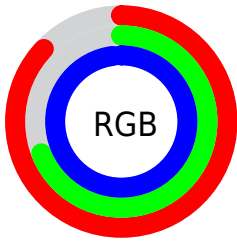
Format	Color
RYB	223, 176, 249
Decimal	14659833
CIELab	78.22, 30.01, -29.76
CIElCh	78, 42.269, 315.236
Yxy	53.5782, 0.2957, 0.2512
Android (android.graphics.Color)	4292849913 (0xFFDFB0F9)
YUV	198.3750, 24.9581, 21.5961
Hunter-Lab	73.1971, 25.7077, -27.0418

Details

The Yxy color $53.5782, 0.2957, 0.2512$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $83.4322, 0.3251, 0.4107$, and the grayscale version is $56.5589, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $26.1872, 0.2907, 0.2340$ is the 20% darker color. If you saturate the color by 10%, you get $43.3274, 0.2880, 0.2229$, and if you desaturate by 10%, it is $65.6976, 0.3024, 0.2790$.

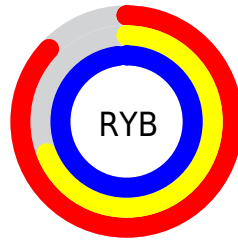
Distribution



Red (87%)

Green (69%)

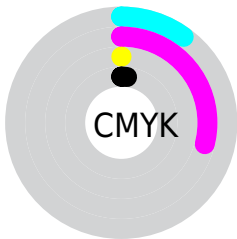
Blue (98%)



Red (87%)

Yellow (69%)

Blue (98%)

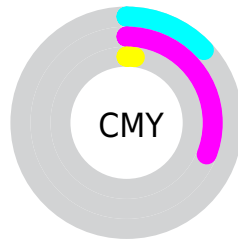


Cyan (10%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (13%)


Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5782, 0.2957, 0.2512 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 53.5782, 0.2957, 0.2512 by changing the saturation by 10% instead.


 53.5782, 0.2957,
0.2512

 53.5782, 0.2957,
0.2512

400.4995, 0.3047,
0.2868

 38.2645, 0.2934,
0.2432


 95.4546, 0.2990,
0.2634

 26.1881, 0.2904,
0.2335

122.7862, 0.3003,
0.2682

 16.9644, 0.2865,
0.2213


154.8926, 0.3013,
0.2724

 10.2091, 0.2809,
0.2057

192.1581, 0.3022,
0.2760

 5.5378, 0.2729,
0.1852

234.9671, 0.3029,
0.2792

 2.5661, 0.2603,
0.1571

283.7041, 0.3036,

 0.9097, 0.2386,

0.2820

0.1176

338.7534, 0.3042,
0.2845

0.0000, 0.2002,
0.0000

0.0000, 0.0000,
0.0000

53.5782, 0.2957,
0.2512

53.5782, 0.2957,
0.2512

43.3274, 0.2880,
0.2229

65.6976, 0.3024,
0.2790

34.8394, 0.2795,
0.1953

79.7706, 0.3082,
0.3057

28.0078, 0.2702,
0.1694

95.8848, 0.3130,
0.3306

22.7118, 0.2605,
0.1466

99.6197, 0.3162,
0.3347

■ 18.8134, 0.2508,
0.1280

■ 16.1492, 0.2413,
0.1144

■ 14.4681, 0.2324,
0.1056

■ 14.3698, 0.2318,
0.1050

Harmonies

Analogous

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



53.5782, 0.2476, 0.2402



53.5782, 0.2957, 0.2512



53.5782, 0.3533, 0.2788

Triad

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



53.5782, 0.2957, 0.2512



53.5782, 0.4138, 0.4025



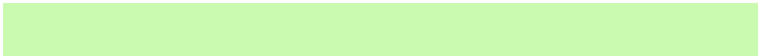
53.5782, 0.2291, 0.3312

Complementary

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



53.5782, 0.2957, 0.2512



83.4322, 0.3251, 0.4107

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.



53.5782, 0.2682, 0.3879



53.5782, 0.2957, 0.2512



53.5782, 0.3750, 0.4288

Square

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



53.5782, 0.2957, 0.2512



53.5782, 0.4250, 0.3616



53.5782, 0.3215, 0.4259



53.5782, 0.2121, 0.2803

Rectangle

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



53.5782, 0.2957, 0.2512



53.5782, 0.3883, 0.3039



53.5782, 0.3215, 0.4259



53.5782, 0.2399, 0.3505

Sweetspot

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



53.5805, 0.2957, 0.2512



84.7078, 0.3083, 0.3065



58.6638, 0.2644, 0.2755



17.6374, 0.3076, 0.3027



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.



53.5805, 0.2957, 0.2512



50.1365, 0.2914, 0.2350



57.4308, 0.3237, 0.2648



17.1981, 0.3081, 0.3052



7.7744, 0.2332, 0.1058



0.7794, 0.2436, 0.1116

Inverse Universe

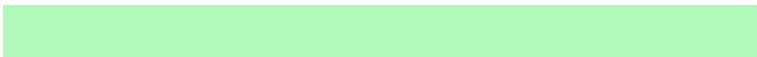
The Inverse Universe completely reimagines the original color for something new.



55.4436, 0.3550, 0.3017



52.4937, 0.3665, 0.2961



80.5138, 0.3034, 0.4030



17.3271, 0.3238, 0.3206



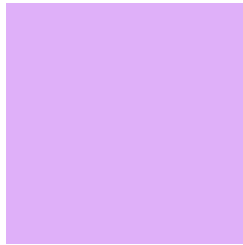
11.1861, 0.5561, 0.2837



1.0554, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 53.5782, 0.2957, 0.2512 looks on a white background.

Color Contrast Check

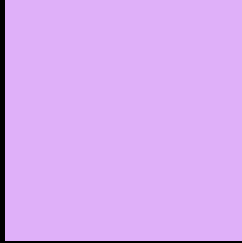
Large Text (above 18pt) WCAG AA × Fail

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 53.5782, 0.2957, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

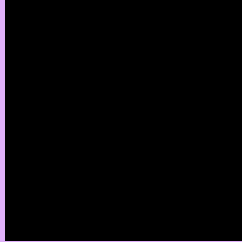
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5782, 0.2957, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 53.5782, 0.2957, 0.2512.



This preview shows how white text looks on a background with the Yxy color 53.5782, 0.2957, 0.2512.

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

53.5782, 0.2957, 0.2512

Protanopia

53.7117, 0.2594, 0.2553

Deuteranopia

53.7950, 0.2705, 0.2643



Tritanopia

53.3151, 0.3261, 0.3116

Trichromacy



Original Color

53.5782, 0.2957, 0.2512



Protanomaly

53.5471, 0.2714, 0.2537



Deuteranomaly

53.5554, 0.2793, 0.2593



Tritanomaly

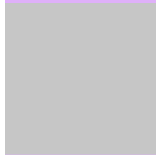
53.4233, 0.3146, 0.2883

Monochromacy



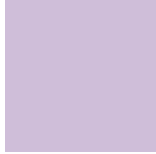
Original Color

53.5782, 0.2957, 0.2512



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

55.1021, 0.3062, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5782, 0.2957, 0.2512 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(223, 176, 249)` looks like.

```
.text, #text, p{  
    color:rgb(223, 176, 249)  
}
```

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(223, 176, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 176, 249) }
```

Border

The CSS property to change the border of an element to Yxy 53.5782, 0.2957, 0.2512 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(223, 176, 249) }
```

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

```
.border{ border-color:rgb(223, 176, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 176, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 176, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 176, 249); box-shadow:4px 4px 4px 4px rgb(223, 176, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5782, 0.2957, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 176, 249) }
```

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

```
.background{ background-color: rgb(223,  
176, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor