

Converting Colors

Yxy(53.1909, 0.3030, 0.2399)

Have a look what the booklet for
Yxy(53.1909, 0.3030, 0.2399)
contains.

Yxy(53.0346, 0.3031, 0.2395)	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(53.0346, 0.3031, 0.2395)

Conversions

Conversions Part 1

Format	Color
Hex	EEA7FF
RGB	238, 167, 255
RGB Percent	93%, 65%, 100%
CMY	0.0668, 0.3450, 0.0001
CMYK	0.07, 0.34, 0.00, 0.00
HSL	288°, 100%, 83%
HSV	288°, 34%, 100%
XYZ	67.1181, 53.0346, 101.2861
YIQ	198.2610, 14.0680, 42.4200

Conversions

Conversions Part 2

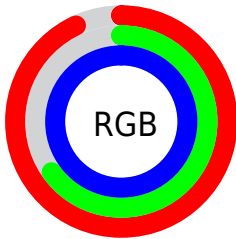
Format	Color
R _Y B	238, 167, 255
Decimal	15640575
CIE _{Lab}	77.90, 40.53, -33.35
CIE _{LCh}	78, 52.484, 320.552
Y _{xy}	53.0346, 0.3031, 0.2395
Android (android.graphics.Color)	4293830655 (0xFFEEA7FF)
YUV	198.2610, 27.9723, 34.8511
Hunter-Lab	72.8249, 37.0688, -31.4842

Details

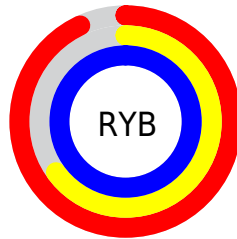
The Yxy color $53.0346, 0.3031, 0.2395$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $84.4895, 0.3180, 0.4298$, and the grayscale version is $56.4603, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $25.9356, 0.2994, 0.2202$ is the 20% darker color. If you saturate the color by 10%, you get $43.7546, 0.2991, 0.2136$, and if you desaturate by 10%, it is $64.1842, 0.3065, 0.2661$.

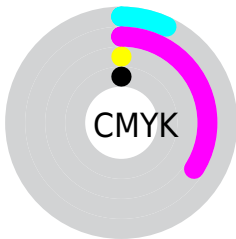
Distribution



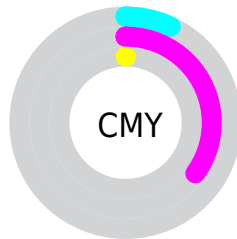
- Red (93%)
- Green (65%)
- Blue (100%)



- Red (93%)
- Yellow (65%)
- Blue (100%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0346, 0.3031, 0.2395 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 53.0346, 0.3031, 0.2395 by changing the saturation by 10% instead.


 53.0346, 0.3031,
0.2395


 53.0346, 0.3031,
0.2395


398.4179, 0.3089,
0.2798

 37.8304, 0.3015,
0.2306


 94.6553, 0.3054,
0.2532

 25.8511, 0.2993,
0.2199


 121.8405, 0.3062,
0.2587

 16.7123, 0.2963,
0.2065


153.7883, 0.3068,
0.2634

 10.0296, 0.2921,
0.1897

190.8829, 0.3074,
0.2675

 5.4186, 0.2856,
0.1679

233.5087, 0.3078,
0.2711

 2.4949, 0.2752,
0.1389

282.0503, 0.3082,

 0.8741, 0.2566,

0.2743

0.0998

336.8918, 0.3086,
0.2772

0.0000, 0.2307,
0.0000

0.0000, 0.0000,
0.0000

53.0346, 0.3031,
0.2395

53.0346, 0.3031,
0.2395

43.7546, 0.2991,
0.2136

64.1842, 0.3065,
0.2661

36.2283, 0.2946,
0.1895

77.2966, 0.3094,
0.2925

30.3379, 0.2898,
0.1683

92.4669, 0.3118,
0.3180

25.9476, 0.2846,
0.1510

99.9985, 0.3127,
0.3290

■ 22.8998, 0.2794,
0.1381

■ 21.0009, 0.2742,
0.1299

■ 20.2948, 0.2715,
0.1269

Harmonies

Analogous

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



53.0346, 0.2415, 0.2223



53.0346, 0.3031, 0.2395



53.0346, 0.3751, 0.2750

Triad

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



53.0346, 0.3031, 0.2395



53.0346, 0.4299, 0.4246



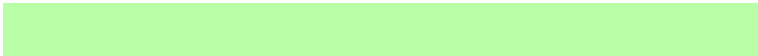
53.0346, 0.2047, 0.3176

Complementary

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



53.0346, 0.3031, 0.2395



84.4895, 0.3180, 0.4298

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.



53.0346, 0.2468, 0.3915



53.0346, 0.3031, 0.2395



53.0346, 0.3767, 0.4557

Square

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



53.0346, 0.3031, 0.2395



53.0346, 0.4524, 0.3754



53.0346, 0.3095, 0.4469



53.0346, 0.1901, 0.2589

Rectangle

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



53.0346, 0.3031, 0.2395



53.0346, 0.4168, 0.3060



53.0346, 0.3095, 0.4469



53.0346, 0.2158, 0.3418

Sweetspot

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



53.0369, 0.3031, 0.2395



83.8727, 0.3106, 0.3041



49.9731, 0.2528, 0.2465



17.5035, 0.3102, 0.3005



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.



53.0369, 0.3031, 0.2395



46.8026, 0.3006, 0.2225



54.5358, 0.3383, 0.2668



18.1125, 0.3107, 0.3054



10.6697, 0.2723, 0.1274



1.0822, 0.2781, 0.1306

Inverse Universe

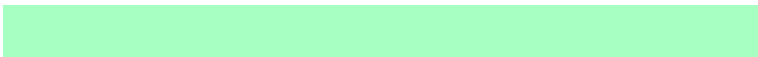
The Inverse Universe completely reimagines the original color for something new.



52.3633, 0.3788, 0.3113



46.1440, 0.3974, 0.3080



83.5915, 0.2942, 0.4008



18.0445, 0.3264, 0.3244



11.2422, 0.6097, 0.3132



1.1090, 0.5803, 0.2970

Previews

White Background



This preview shows how the Yxy color 53.0346, 0.3031, 0.2395 looks on a white background.

Color Contrast Check

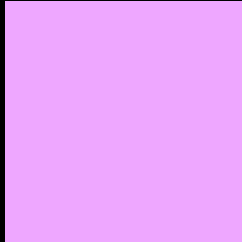
Large Text (above 18pt) WCAG AA × Fail

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 53.0346, 0.3031, 0.2395 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 53.0346, 0.3031, 0.2395

Background



This preview shows how black text looks on a background with the Yxy color 53.0346, 0.3031, 0.2395.

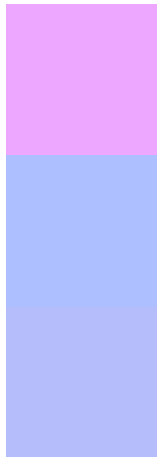


This preview shows how white text looks on a background with the Yxy color 53.0346, 0.3031, 0.2395.

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

53.0346, 0.3031, 0.2395

Protanopia

53.4803, 0.2582, 0.2550

Deuteranopia

53.6157, 0.2648, 0.2587



Tritanopia

52.7485, 0.3448, 0.3133

Trichromacy



Original Color

53.0346, 0.3031, 0.2395



Protanomaly

52.5462, 0.2726, 0.2478



Deuteranomaly

53.0407, 0.2781, 0.2515



Tritanomaly

52.7736, 0.3285, 0.2842

Monochromacy



Original Color

53.0346, 0.3031, 0.2395



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

54.8013, 0.3096, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0346, 0.3031, 0.2395 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(238, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 167, 255)  
}
```

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(238, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.0346, 0.3031, 0.2395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

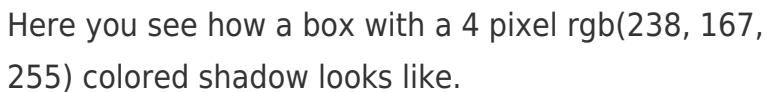
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 167, 255) }
```

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

```
.border{ border-color:rgb(238, 167, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 167, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 167, 255); box-shadow:4px 4px 4px 4px rgb(238, 167, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0346, 0.3031, 0.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 167, 255) }
```

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

```
.background{ background-color: rgb(238,  
167, 255) }
```

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