

Converting Colors

$Y_{xy}(60.6977, 0.2469, 0.1750)$

Have a look what the booklet for
Yxy(60.6977, 0.2469, 0.1750)
contains.

Yxy(53.0581, 0.3015, 0.2400)	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(53.0581, 0.3015, 0.2400)

Conversions

Conversions Part 1

Format	Color
Hex	ECA8FF
RGB	236, 168, 255
RGB Percent	93%, 66%, 100%
CMY	0.0744, 0.3412, 0.0000
CMYK	0.07, 0.34, 0.00, 0.00
HSL	287°, 100%, 83%
HSV	287°, 34%, 100%
XYZ	66.6542, 53.0581, 101.3631
YIQ	198.2500, 12.6010, 41.4730

Conversions

Conversions Part 2

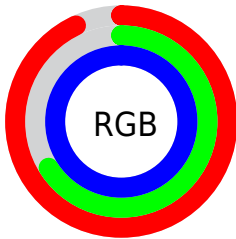
Format	Color
R _Y B	236, 168, 255
Decimal	15509759
CIE Lab	77.91, 39.44, -33.37
CIE LCh	78, 51.665, 319.763
Yxy	53.0581, 0.3015, 0.2400
Android (android.graphics.Color)	4293699839 (0xFFECA8FF)
YUV	198.2500, 27.9778, 33.1067
Hunter-Lab	72.8410, 35.8674, -31.5173

Details

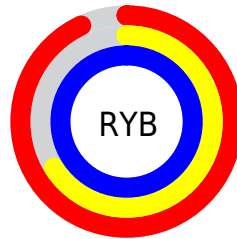
The Yxy color **53.0581, 0.3015, 0.2400** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.9072, 0.3193, 0.4282**, and the grayscale version is **56.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **25.9224, 0.2973, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **43.6115, 0.2969, 0.2138**, and if you desaturate by 10%, it is **64.3805, 0.3055, 0.2669**.

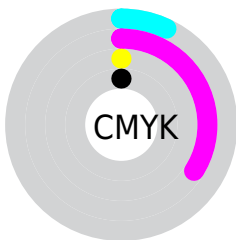
Distribution



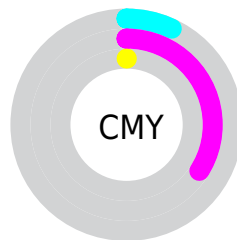
- Red (93%)
- Green (66%)
- Blue (100%)



- Red (93%)
- Yellow (66%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0581, 0.3015, 0.2400 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 53.0581, 0.3015, 0.2400 by changing the saturation by 10% instead.

 53.0581, 0.3015,
0.2400


 53.0581, 0.3015,
0.2400


398.5080, 0.3080,
0.2801

 37.8492, 0.2997,
0.2312

 94.6899, 0.3040,
0.2537

 25.8656, 0.2973,
0.2204


 121.8815, 0.3049,
0.2591

 16.7231, 0.2941,
0.2071


153.8361, 0.3057,
0.2638

 10.0373, 0.2895,
0.1903

190.9381, 0.3063,
0.2678

 5.4237, 0.2826,
0.1685

233.5719, 0.3068,
0.2715

 2.4979, 0.2716,
0.1395

282.1219, 0.3073,

 0.8756, 0.2522,

0.2747

0.1004

336.9724, 0.3077,
0.2776

■ 0.0000, 0.2244,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.0581, 0.3015,
0.2400

■ 53.0581, 0.3015,
0.2400

■ 43.6115, 0.2969,
0.2138

■ 64.3805, 0.3055,
0.2669

■ 35.9318, 0.2918,
0.1891

■ 77.6782, 0.3089,
0.2934

■ 29.8990, 0.2862,
0.1673

■ 93.0440, 0.3117,
0.3189

■ 25.3781, 0.2803,
0.1493

100.0000, 0.3127,
0.3290

■ 22.2122, 0.2744,
0.1357

■ 20.2097, 0.2685,
0.1269

■ 19.4152, 0.2652,
0.1234

Harmonies

Analogous

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



53.0581, 0.2412, 0.2236



53.0581, 0.3015, 0.2400



53.0581, 0.3724, 0.2747

Triad

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



53.0581, 0.3015, 0.2400



53.0581, 0.4293, 0.4223



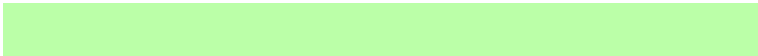
53.0581, 0.2070, 0.3197

Complementary

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



53.0581, 0.3015, 0.2400



84.9072, 0.3193, 0.4282

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.



53.0581, 0.2493, 0.3923



53.0581, 0.3015, 0.2400



53.0581, 0.3775, 0.4534

Square

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



53.0581, 0.3015, 0.2400



53.0581, 0.4504, 0.3736



53.0581, 0.3115, 0.4457



53.0581, 0.1918, 0.2612

Rectangle

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



53.0581, 0.3015, 0.2400



53.0581, 0.4138, 0.3051



53.0581, 0.3115, 0.4457



53.0581, 0.2182, 0.3436

Sweetspot

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



53.0582, 0.3015, 0.2400



83.7562, 0.3101, 0.3041



51.6348, 0.2540, 0.2510



17.4752, 0.3097, 0.3004



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.



53.0582, 0.3015, 0.2400



46.3657, 0.2984, 0.2218



55.0759, 0.3355, 0.2648



18.0888, 0.3103, 0.3053



10.2131, 0.2661, 0.1240



1.0415, 0.2727, 0.1276

Inverse Universe

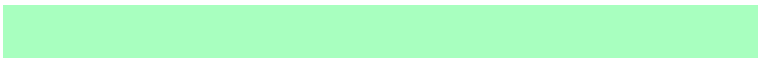
The Inverse Universe completely reimagines the original color for something new.



52.8476, 0.3758, 0.3093



46.2435, 0.3947, 0.3053



83.6137, 0.2959, 0.4034



18.0519, 0.3260, 0.3238



11.2739, 0.6031, 0.3096



1.1131, 0.5725, 0.2928

Previews

White Background



This preview shows how the Yxy color 53.0581, 0.3015, 0.2400 looks on a white background.

Color Contrast Check

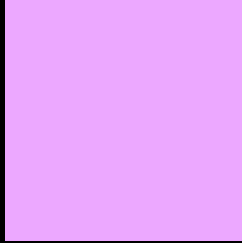
Large Text (above 18pt) WCAG AA × Fail

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 53.0581, 0.3015, 0.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

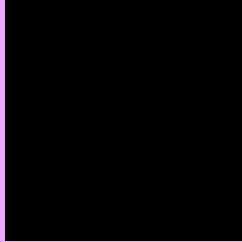
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0581, 0.3015, 0.2400

Background



This preview shows how black text looks on a background with the Yxy color 53.0581, 0.3015, 0.2400.



This preview shows how white text looks on a background with the Yxy color 53.0581, 0.3015, 0.2400.

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

53.0581, 0.3015, 0.2400

Protanopia

53.4803, 0.2582, 0.2550

Deuteranopia

53.4952, 0.2642, 0.2586



Tritanopia

52.8685, 0.3420, 0.3132

Trichromacy



Original Color

53.0581, 0.3015, 0.2400



Protanomaly

52.9573, 0.2727, 0.2489



Deuteranomaly

52.7635, 0.2766, 0.2511

Tritanomaly

52.8315, 0.3267, 0.2850

Monochromacy



Original Color

53.0581, 0.3015, 0.2400



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

54.6522, 0.3088, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0581, 0.3015, 0.2400 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(236, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 168, 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(236, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.0581, 0.3015, 0.2400 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(236, 168, 255) }
```

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

```
.border{ border-color:rgb(236, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0581, 0.3015, 0.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 168, 255) }
```

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

```
.background{ background-color: rgb(236,  
168, 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](#).

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