

Converting Colors

$Y_{xy}(51.4092, 0.2753, 0.1957)$

Have a look what the booklet for
Yxy(51.4092, 0.2753, 0.1957)
contains.

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Color

Yxy(48.6819, 0.3040, 0.2270)

Conversions

Conversions Part 1

Format	Color
Hex	EF9AFF
RGB	239, 154, 255
RGB Percent	94%, 60%, 100%
CMY	0.0629, 0.3960, 0.0000
CMYK	0.06, 0.40, 0.00, 0.00
HSL	290°, 100%, 80%
HSV	290°, 40%, 100%
XYZ	65.1951, 48.6819, 100.5807
YIQ	190.9290, 18.2390, 49.4310

Conversions

Conversions Part 2

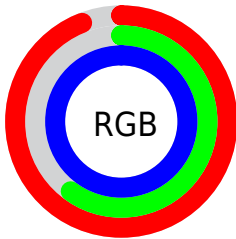
Format	Color
R_{YB}	239, 154, 255
Decimal	15702783
CIE _{Lab}	75.25, 47.62, -37.45
CIE _{LCh}	75, 60.585, 321.821
Yxy	48.6819, 0.3040, 0.2270
Android (android.graphics.Color)	4293892863 (0xFFEF9AFF)
YUV	190.9290, 31.5870, 42.1583
Hunter-Lab	69.7724, 44.6882, -36.6290

Details

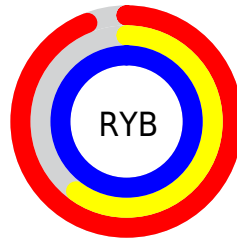
The Yxy color **48.6819, 0.3040, 0.2270** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.4060, 0.3162, 0.4478**, and the grayscale version is **51.8634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5732, 0.3148, 0.2851**, and **23.2083, 0.2994, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **40.4427, 0.3007, 0.2025**, and if you desaturate by 10%, it is **58.7268, 0.3069, 0.2530**.

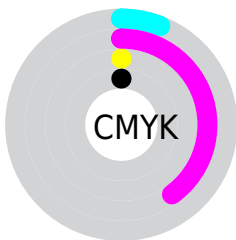
Distribution



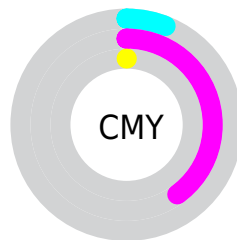
- Red (94%)
- Green (60%)
- Blue (100%)



- Red (94%)
- Yellow (60%)
- Blue (100%)



- Cyan (6%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6819, 0.3040, 0.2270 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 48.6819, 0.3040, 0.2270 by changing the saturation by 10% instead.


 48.6819, 0.3040,
0.2270


 48.6819, 0.3040,
0.2270


381.4887, 0.3098,
0.2729

 34.3672, 0.3023,
0.2169


 88.2188, 0.3063,
0.2426

 23.1758, 0.2999,
0.2048


 114.2098, 0.3072,
0.2488

 14.7234, 0.2966,
0.1898


144.8618, 0.3078,
0.2541

 8.6255, 0.2918,
0.1709

180.5590, 0.3084,
0.2588

 4.4977, 0.2844,
0.1468

221.6859, 0.3088,
0.2630

 1.9557, 0.2722,
0.1155

268.6269, 0.3092,

 0.5815, 0.2512,

0.2666

0.0712

321.7663, 0.3095,
0.2699

0.0000, 0.2096,
0.0000

0.0000, 0.0000,
0.0000

48.6819, 0.3040,
0.2270

48.6819, 0.3040,
0.2270

40.4427, 0.3007,
0.2025

58.7268, 0.3069,
0.2530

33.8917, 0.2970,
0.1804

70.6785, 0.3093,
0.2793

28.9025, 0.2930,
0.1617

84.6343, 0.3112,
0.3052

25.3294, 0.2889,
0.1474

100.0000, 0.3127,
0.3290

■ 22.9990, 0.2846,
0.1376

■ 21.6397, 0.2804,
0.1320

■ 21.5930, 0.2803,
0.1318

Harmonies

Analogous

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



48.6819, 0.2317, 0.2063



48.6819, 0.3040, 0.2270



48.6819, 0.3898, 0.2679

Triad

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



48.6819, 0.3040, 0.2270



48.6819, 0.4464, 0.4401



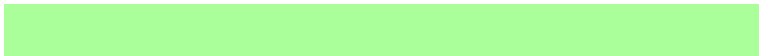
48.6819, 0.1855, 0.3101

Complementary

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



48.6819, 0.3040, 0.2270



82.4060, 0.3162, 0.4478

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.



48.6819, 0.2316, 0.4003



48.6819, 0.3040, 0.2270



48.6819, 0.3819, 0.4796

Square

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



48.6819, 0.3040, 0.2270



48.6819, 0.4770, 0.3820



48.6819, 0.3034, 0.4701



48.6819, 0.1712, 0.2432

Rectangle

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



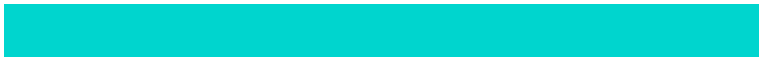
48.6819, 0.3040, 0.2270



48.6819, 0.4390, 0.3031



48.6819, 0.3034, 0.4701



48.6819, 0.1974, 0.3390

Sweetspot

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



48.6830, 0.3040, 0.2270



81.0967, 0.3108, 0.2990



43.1616, 0.2422, 0.2277



16.9567, 0.3105, 0.2957



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.



48.6830, 0.3040, 0.2270



41.6442, 0.3013, 0.2062



49.6168, 0.3463, 0.2608



18.1458, 0.3112, 0.3054



11.3375, 0.2810, 0.1321



1.1413, 0.2858, 0.1348

Inverse Universe

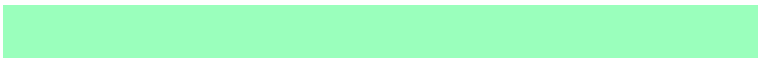
The Inverse Universe completely reimagines the original color for something new.



47.2825, 0.3968, 0.3124



40.1939, 0.4249, 0.3092



82.0092, 0.2902, 0.4094



18.0341, 0.3269, 0.3253



11.2044, 0.6179, 0.3178



1.1038, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 48.6819, 0.3040, 0.2270 looks on a white background.

Color Contrast Check

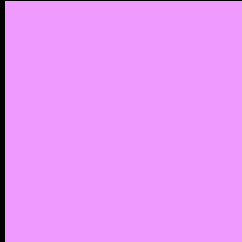
Large Text (above 18pt) WCAG AA × Fail

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 48.6819, 0.3040, 0.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

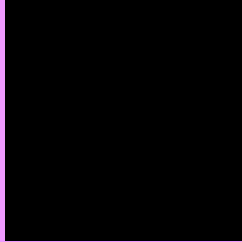
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6819, 0.3040, 0.2270

Background



This preview shows how black text looks on a background with the Yxy color 48.6819, 0.3040, 0.2270.

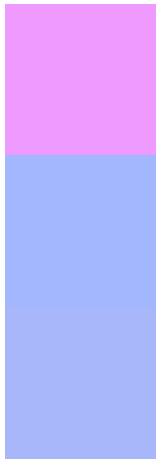


This preview shows how white text looks on a background with the Yxy color 48.6819, 0.3040, 0.2270.

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

48.6819, 0.3040, 0.2270

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

49.0939, 0.2559, 0.2496



Tritanopia

48.4528, 0.3557, 0.3131

Trichromacy



Original Color

48.6819, 0.3040, 0.2270



Protanomaly

47.8014, 0.2673, 0.2354



Deuteranomaly

48.0027, 0.2714, 0.2387

Tritanomaly

48.4780, 0.3366, 0.2795

Monochromacy



Original Color

48.6819, 0.3040, 0.2270



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.1057, 0.3097, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6819, 0.3040, 0.2270 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(239, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 154, 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(239, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.6819, 0.3040, 0.2270 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(239, 154, 255) }
```

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

```
.border{ border-color:rgb(239, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6819, 0.3040, 0.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 154, 255) }
```

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

```
.background{ background-color: rgb(239,  
154, 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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