

Converting Colors

$Y_{xy}(48.2836, 0.3037, 0.2259)$

Have a look what the booklet for
Yxy(48.2836, 0.3037, 0.2259)
contains.

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Color

Yxy(48.3532, 0.3041, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	EF99FF
RGB	239, 153, 255
RGB Percent	94%, 60%, 100%
CMY	0.0627, 0.4000, 0.0002
CMYK	0.06, 0.40, 0.00, 0.00
HSL	291°, 100%, 80%
HSV	291°, 40%, 100%
XYZ	65.0341, 48.3532, 100.4703
YIQ	190.3420, 18.5140, 49.9540

Conversions

Conversions Part 2

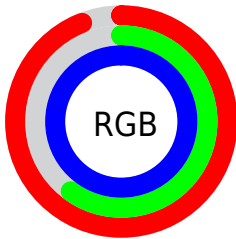
Format	Color
R _Y B	239, 153, 255
Decimal	15702527
CIE Lab	75.05, 48.15, -37.73
CIE LCh	75, 61.172, 321.915
Yxy	48.3532, 0.3041, 0.2261
Android (android.graphics.Color)	4293892607 (0xFFEF99FF)
YUV	190.3420, 31.8764, 42.6731
Hunter-Lab	69.5365, 45.2536, -36.9901

Details

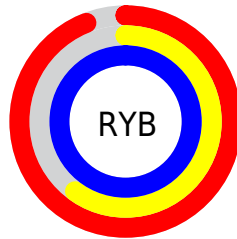
The Yxy color **48.3532, 0.3041, 0.2261** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.2174, 0.3161, 0.4492**, and the grayscale version is **51.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.0153, 0.2994, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **40.1955, 0.3009, 0.2017**, and if you desaturate by 10%, it is **58.3131, 0.3069, 0.2520**.

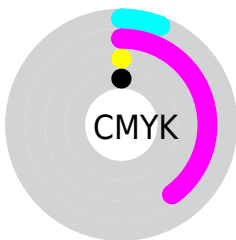
Distribution



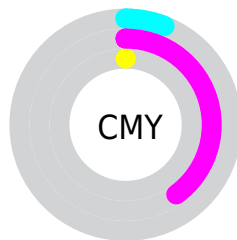
- Red (94%)
- Green (60%)
- Blue (100%)



- 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 48.3532, 0.3041, 0.2261 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 48.3532, 0.3041, 0.2261 by changing the saturation by 10% instead.


 48.3532, 0.3041,
0.2261

 48.3532, 0.3041,
0.2261


380.1904, 0.3099,
0.2724

 34.1067, 0.3024,
0.2160


 87.7301, 0.3064,
0.2418

 22.9756, 0.3000,
0.2037


 113.6292, 0.3073,
0.2481

 14.5755, 0.2967,
0.1886


144.1813, 0.3079,
0.2535

 8.5220, 0.2919,
0.1696

179.7708, 0.3085,
0.2582

 4.4307, 0.2844,
0.1453

220.7820, 0.3089,
0.2624

 1.9173, 0.2720,
0.1138

267.5995, 0.3093,

 0.5588, 0.2509,

0.2661

0.0689

320.6075, 0.3096,
0.2694

■ 0.0000, 0.2080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.3532, 0.3041,
0.2261

■ 48.3532, 0.3041,
0.2261

■ 40.1955, 0.3009,
0.2017

■ 58.3131, 0.3069,
0.2520

■ 33.7192, 0.2972,
0.1797

■ 70.1735, 0.3093,
0.2783

■ 28.7982, 0.2933,
0.1613

■ 84.0331, 0.3112,
0.3042

■ 25.2861, 0.2892,
0.1472

99.9816, 0.3127,
0.3290

■ 23.0082, 0.2850,
0.1377

99.9968, 0.3127,
0.3290

■ 21.6796, 0.2809,
0.1321

■ 21.6778, 0.2809,
0.1321

Harmonies

Analogous

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



48.3532, 0.2310, 0.2052



48.3532, 0.3041, 0.2261



48.3532, 0.3909, 0.2674

Triad

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



48.3532, 0.3041, 0.2261



48.3532, 0.4475, 0.4412



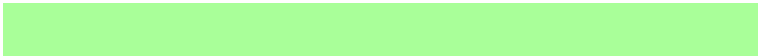
48.3532, 0.1841, 0.3095

Complementary

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



48.3532, 0.3041, 0.2261



82.2174, 0.3161, 0.4492

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.



48.3532, 0.2305, 0.4009



48.3532, 0.3041, 0.2261



48.3532, 0.3822, 0.4814

Square

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



48.3532, 0.3041, 0.2261



48.3532, 0.4788, 0.3825



48.3532, 0.3029, 0.4719



48.3532, 0.1699, 0.2421

Rectangle

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



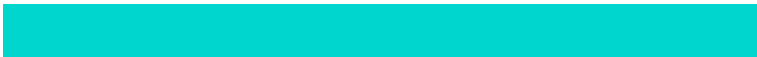
48.3532, 0.3041, 0.2261



48.3532, 0.4407, 0.3029



48.3532, 0.3029, 0.4719



48.3532, 0.1960, 0.3388

Sweetspot

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



48.3553, 0.3041, 0.2261



81.1105, 0.3108, 0.2990



42.7392, 0.2414, 0.2265



16.9600, 0.3106, 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.



48.3553, 0.3041, 0.2261



41.6954, 0.3015, 0.2063



49.2549, 0.3468, 0.2601



18.1481, 0.3113, 0.3054



11.3862, 0.2816, 0.1325



1.1456, 0.2863, 0.1351

Inverse Universe

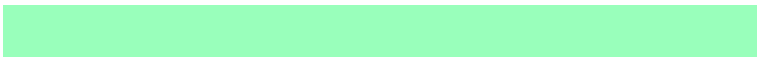
The Inverse Universe completely reimagines the original color for something new.



46.8986, 0.3983, 0.3125



40.1841, 0.4253, 0.3095



81.8487, 0.2900, 0.4104



18.0334, 0.3270, 0.3253



11.2020, 0.6185, 0.3181



1.1035, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 48.3532, 0.3041, 0.2261 looks on a white background.

Color Contrast Check

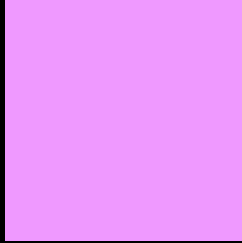
Large Text (above 18pt) WCAG AA × Fail

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 48.3532, 0.3041, 0.2261 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 48.3532, 0.3041, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 48.3532, 0.3041, 0.2261.



This preview shows how white text looks on a background with the Yxy color 48.3532, 0.3041, 0.2261.

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

48.3532, 0.3041, 0.2261

Protanopia

48.7684, 0.2494, 0.2438

Deuteranopia

48.5109, 0.2557, 0.2492



Tritanopia

48.4113, 0.3566, 0.3142

Trichromacy



Original Color

48.3532, 0.3041, 0.2261



Protanomaly

47.6722, 0.2666, 0.2352



Deuteranomaly

47.4283, 0.2712, 0.2384

Tritanomaly

48.1215, 0.3367, 0.2784

Monochromacy



Original Color

48.3532, 0.3041, 0.2261



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7092, 0.3097, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3532, 0.3041, 0.2261 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.3532, 0.3041, 0.2261 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, 153, 255) }
```

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

```
.border{ border-color:rgb(239, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3532, 0.3041, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 153, 255) }
```

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

```
.background{ background-color: rgb(239,  
153, 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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