

Converting Colors

$Y_{xy}(48.4841, 0.3093, 0.2449)$

Have a look what the booklet for
Yxy(48.4841, 0.3093, 0.2449)
contains.

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Color

Yxy(48.4218, 0.3090, 0.2443)

Conversions

Conversions Part 1

Format	Color
Hex	E7A0F0
RGB	231, 160, 240
RGB Percent	91%, 63%, 94%
CMY	0.0942, 0.3725, 0.0589
CMYK	0.04, 0.33, 0.00, 0.06
HSL	293°, 73%, 78%
HSV	293°, 33%, 94%
XYZ	61.2457, 48.4218, 88.5388
YIQ	190.3490, 16.6360, 39.9320

Conversions

Conversions Part 2

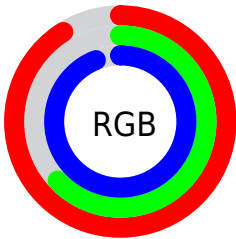
Format	Color
R _Y B	231, 160, 240
Decimal	15180016
CIE Lab	75.09, 39.24, -29.62
CIE LCh	75, 49.163, 322.947
Yxy	48.4218, 0.3090, 0.2443
Android (android.graphics.Color)	4293370096 (0xFFE7A0F0)
YUV	190.3490, 24.4779, 35.6509
Hunter-Lab	69.5858, 35.3312, -26.7287

Details

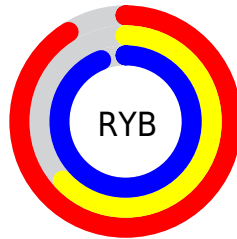
The Yxy color **48.4218, 0.3090, 0.2443** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **73.2833, 0.3137, 0.4268**, and the grayscale version is **51.5542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **22.9748, 0.3061, 0.2242** is the 20% darker color. If you saturate the color by 10%, you get **40.4440, 0.3072, 0.2194**, and if you desaturate by 10%, it is **58.0166, 0.3105, 0.2701**.

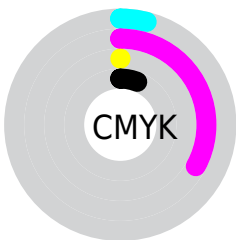
Distribution



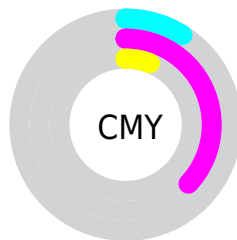
- Red (91%)
- Green (63%)
- Blue (94%)



- Red (91%)
- Yellow (63%)
- Blue (94%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (6%)





- Cyan (9%)
- Magenta (37%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4218, 0.3090, 0.2443 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 48.4218, 0.3090, 0.2443 by changing the saturation by 10% instead.


 48.4218, 0.3090,
0.2443

 48.4218, 0.3090,
0.2443

380.4616, 0.3119,
0.2833

 34.1610, 0.3080,
0.2355


 87.8321, 0.3103,
0.2577

 23.0173, 0.3067,
0.2248

 113.7504, 0.3107,
0.2630

 14.6063, 0.3047,
0.2113


144.3234, 0.3110,
0.2675

 8.5436, 0.3017,
0.1941

179.9354, 0.3113,
0.2715

 4.4447, 0.2968,
0.1713

220.9708, 0.3115,
0.2750

 1.9253, 0.2881,
0.1403

267.8140, 0.3116,

 0.5635, 0.2725,

0.2780

0.0916

320.8495, 0.3118,
0.2808

0.0000, 0.2187,
0.0000

0.0000, 0.0000,
0.0000

48.4218, 0.3090,
0.2443

48.4218, 0.3090,
0.2443

40.4440, 0.3072,
0.2194

58.0166, 0.3105,
0.2701

33.9841, 0.3050,
0.1965

69.3075, 0.3116,
0.2959


28.9420, 0.3026,
0.1765

82.3758, 0.3125,
0.3209

25.2029, 0.2999,
0.1604


96.6488, 0.3131,
0.3438


 22.6340, 0.2971,
0.1486


 97.1298, 0.3148,
0.3437

 21.0742, 0.2942,
0.1413

 97.6178, 0.3165,
0.3437

 20.4313, 0.2922,
0.1384

 98.1129, 0.3182,
0.3436

 98.6152, 0.3199,
0.3435

 99.0700, 0.3215,
0.3435

Harmonies

Analogous

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



48.4218, 0.2478, 0.2260



48.4218, 0.3090, 0.2443



48.4218, 0.3783, 0.2801

Triad

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



48.4218, 0.3090, 0.2443



48.4218, 0.4231, 0.4252



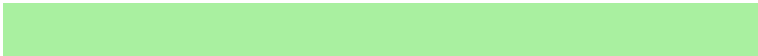
48.4218, 0.2059, 0.3129

Complementary

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



48.4218, 0.3090, 0.2443



73.2833, 0.3137, 0.4268

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.



48.4218, 0.2449, 0.3837



48.4218, 0.3090, 0.2443



48.4218, 0.3700, 0.4524

Square

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



48.4218, 0.3090, 0.2443



48.4218, 0.4475, 0.3785



48.4218, 0.3047, 0.4396



48.4218, 0.1938, 0.2579

Rectangle

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



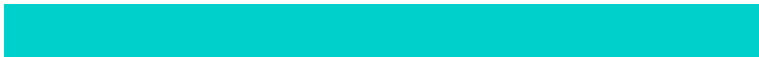
48.4218, 0.3090, 0.2443



48.4218, 0.4172, 0.3107



48.4218, 0.3047, 0.4396



48.4218, 0.2160, 0.3358

Sweetspot

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



48.4239, 0.3090, 0.2443



84.2554, 0.3119, 0.3042



42.2714, 0.2542, 0.2416



17.5967, 0.3118, 0.3006



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.



48.4239, 0.3090, 0.2443



49.1497, 0.3078, 0.2272



48.2897, 0.3431, 0.2759



15.9358, 0.3120, 0.3056



11.2236, 0.2927, 0.1386



0.9592, 0.2966, 0.1408

Inverse Universe

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



46.5353, 0.3818, 0.3192



46.7402, 0.4029, 0.3172



73.5301, 0.2912, 0.3892



15.7878, 0.3276, 0.3264



10.1939, 0.6264, 0.3224



0.8575, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 48.4218, 0.3090, 0.2443 looks on a white background.

Color Contrast Check

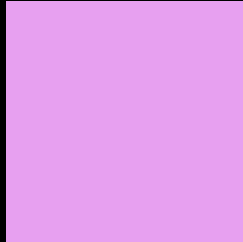
Large Text (above 18pt) WCAG AA × Fail

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 48.4218, 0.3090, 0.2443 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 48.4218, 0.3090, 0.2443

Background



This preview shows how black text looks on a background with the Yxy color 48.4218, 0.3090, 0.2443.

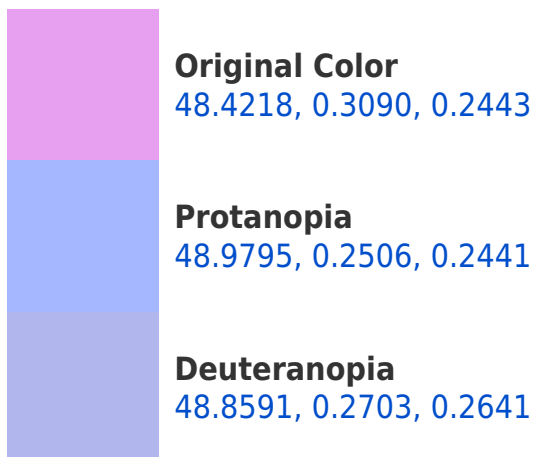


This preview shows how white text looks on a background with the Yxy color 48.4218, 0.3090, 0.2443.

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





Tritanopia

48.2745, 0.3489, 0.3140

Trichromacy



Original Color

48.4218, 0.3090, 0.2443



Protanomaly

48.2534, 0.2686, 0.2431



Deuteranomaly

48.2568, 0.2838, 0.2562



Tritanomaly

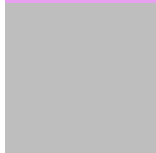
48.1658, 0.3344, 0.2872

Monochromacy



Original Color

48.4218, 0.3090, 0.2443



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.7734, 0.3118, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4218, 0.3090, 0.2443 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(231, 160, 240)` looks like.

```
.text, #text, p{  
    color:rgb(231, 160, 240)  
}
```

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(231, 160, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 160, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.4218, 0.3090, 0.2443 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(231, 160, 240) }
```

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

```
.border{ border-color:rgb(231, 160, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 160, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 160, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 160, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 160,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4218, 0.3090, 0.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 160, 240) }
```

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

```
.background{ background-color: rgb(231,  
160, 240) }
```

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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