

Converting Colors

$Y_{xy}(48.7536, 0.3192, 0.2459)$

Have a look what the booklet for
Yxy(48.7536, 0.3192, 0.2459)
contains.

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Color

Yxy(48.7536, 0.3192, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	F09DED
RGB	240, 157, 237
RGB Percent	94%, 62%, 93%
CMY	0.0588, 0.3843, 0.0704
CMYK	0.00, 0.35, 0.01, 0.06
HSL	302°, 73%, 78%
HSV	302°, 35%, 94%
XYZ	63.2865, 48.7536, 86.2259
YIQ	190.9370, 23.7880, 42.4760

Conversions

Conversions Part 2

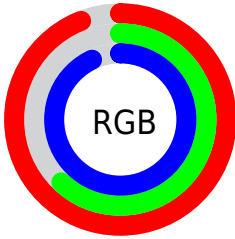
Format	Color
R _Y B	240, 157, 237
Decimal	15769069
CIE Lab	75.30, 43.09, -27.63
CIE LCh	75, 51.182, 327.333
Yxy	48.7536, 0.3192, 0.2459
Android (android.graphics.Color)	4293959149 (0xFFFF09DED)
YUV	190.9370, 22.7091, 43.0283
Hunter-Lab	69.8238, 39.5962, -24.3410

Details

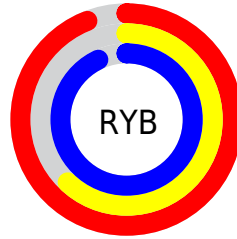
The Yxy color **48.7536, 0.3192, 0.2459** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.0337, 0.3062, 0.4291**, and the grayscale version is **51.9192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **23.3041, 0.3199, 0.2271** is the 20% darker color. If you saturate the color by 10%, you get **41.3668, 0.3212, 0.2234**, and if you desaturate by 10%, it is **57.7400, 0.3172, 0.2698**.

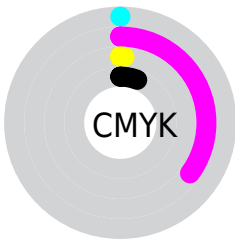
Distribution



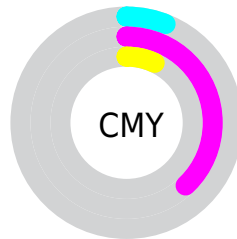
- Red (94%)
- Green (62%)
- Blue (93%)



- Red (94%)
- Yellow (62%)
- Blue (93%)



- Cyan (0%)
- Magenta (35%)
- Yellow (1%)
- Black (6%)




- Cyan (6%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7536, 0.3192, 0.2459 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 48.7536, 0.3192, 0.2459 by changing the saturation by 10% instead.


 48.7536, 0.3192,
0.2459


 48.7536, 0.3192,
0.2459


381.7715, 0.3172,
0.2841

 34.4241, 0.3194,
0.2373

 88.3254, 0.3187,
0.2590

 23.2196, 0.3195,
0.2268


 114.3364, 0.3184,
0.2642

 14.7557, 0.3195,
0.2136


145.0101, 0.3182,
0.2686

 8.6481, 0.3190,
0.1968

180.7308, 0.3180,
0.2725

 4.5124, 0.3177,
0.1744

221.8828, 0.3177,
0.2759

 1.9641, 0.3143,
0.1440

268.8507, 0.3175,

 0.5865, 0.3070,

0.2789

0.0965

322.0188, 0.3173,
0.2816

0.0000, 0.2814,
0.0000

0.0000, 0.0000,
0.0000

48.7536, 0.3192,
0.2459

48.7536, 0.3192,
0.2459

41.3668, 0.3212,
0.2234

57.7400, 0.3172,
0.2698

35.4794, 0.3232,
0.2032


68.4058, 0.3153,
0.2942

30.9899, 0.3251,
0.1862


80.8332, 0.3135,
0.3182


27.7814, 0.3269,
0.1733


95.0969, 0.3118,
0.3414


 25.7185, 0.3284,
0.1647

 96.4194, 0.3113,
0.3425

 24.6348, 0.3296,
0.1604

 96.4710, 0.3108,
0.3416

 24.3210, 0.3302,
0.1593

 96.5229, 0.3103,
0.3408

 96.5750, 0.3098,
0.3399

 96.6274, 0.3093,
0.3391

Harmonies

Analogous

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



48.7536, 0.2535, 0.2241



48.7536, 0.3192, 0.2459



48.7536, 0.3906, 0.2849

Triad

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



48.7536, 0.3192, 0.2459



48.7536, 0.4202, 0.4342



48.7536, 0.1986, 0.3021

Complementary

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



48.7536, 0.3192, 0.2459



72.0337, 0.3062, 0.4291

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.



48.7536, 0.2348, 0.3751



48.7536, 0.3192, 0.2459



48.7536, 0.3622, 0.4583

Square

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



48.7536, 0.3192, 0.2459



48.7536, 0.4512, 0.3873



48.7536, 0.2942, 0.4383



48.7536, 0.1903, 0.2491

Rectangle

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



48.7536, 0.3192, 0.2459



48.7536, 0.4283, 0.3172



48.7536, 0.2942, 0.4383



48.7536, 0.2076, 0.3252

Sweetspot

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



48.7558, 0.3192, 0.2459



84.7370, 0.3145, 0.3052



37.8518, 0.2520, 0.2258



17.7141, 0.3147, 0.3018



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.



48.7558, 0.3192, 0.2459



49.3837, 0.3207, 0.2287



46.6125, 0.3564, 0.2868



16.0211, 0.3144, 0.3066



13.3161, 0.3301, 0.1592



1.1108, 0.3288, 0.1585

Inverse Universe

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



48.7558, 0.3192, 0.2459



49.3837, 0.3207, 0.2287



73.7267, 0.2838, 0.3760



16.0211, 0.3144, 0.3066



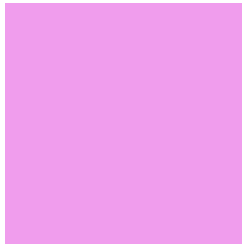
13.3161, 0.3301, 0.1592



1.1108, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 48.7536, 0.3192, 0.2459 looks on a white background.

Color Contrast Check

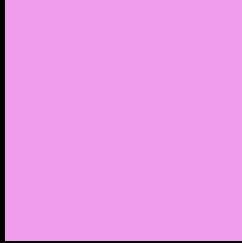
Large Text (above 18pt) WCAG AA × Fail

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 48.7536, 0.3192, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

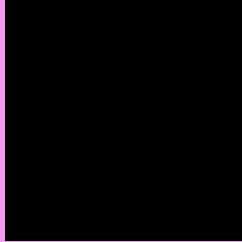
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7536, 0.3192, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 48.7536, 0.3192, 0.2459.

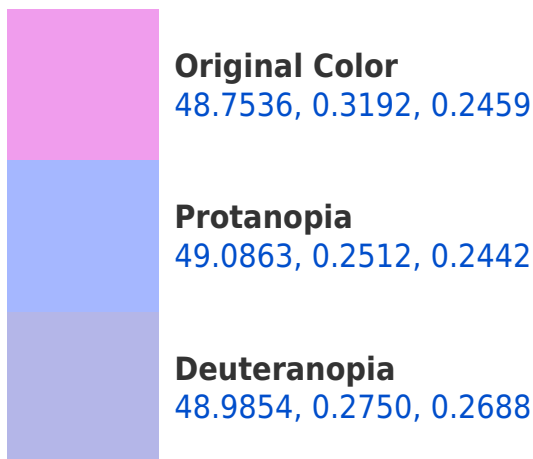


This preview shows how white text looks on a background with the Yxy color 48.7536, 0.3192, 0.2459.

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

48.6651, 0.3615, 0.3144

Trichromacy



Original Color

48.7536, 0.3192, 0.2459



Protanomaly

48.2559, 0.2727, 0.2445



Deuteranomaly

48.3842, 0.2898, 0.2589



Tritanomaly

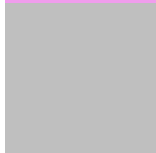
48.6008, 0.3465, 0.2883

Monochromacy



Original Color

48.7536, 0.3192, 0.2459



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.3496, 0.3152, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7536, 0.3192, 0.2459 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(240, 157, 237)` looks like.

```
.text, #text, p{  
    color:rgb(240, 157, 237)  
}
```

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(240, 157, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 157, 237) }
```

Border

The CSS property to change the border of an element to Yxy 48.7536, 0.3192, 0.2459 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(240, 157, 237) }
```

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

```
.border{ border-color:rgb(240, 157, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 157, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 157, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 157, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 157,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7536, 0.3192, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 157, 237) }
```

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

```
.background{ background-color: rgb(240,  
157, 237) }
```

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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