

Converting Colors

$Y_{xy}(44.7858, 0.3249, 0.2444)$

Have a look what the booklet for
Yxy(44.7858, 0.3249, 0.2444)
contains.

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Color

Yxy(44.7858, 0.3249, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	ED94E4
RGB	237, 148, 228
RGB Percent	93%, 58%, 89%
CMY	0.0703, 0.4197, 0.1058
CMYK	0.00, 0.38, 0.04, 0.07
HSL	306°, 71%, 75%
HSV	306°, 38%, 93%
XYZ	59.5373, 44.7858, 78.9249
YIQ	183.7310, 27.3640, 43.7480

Conversions

Conversions Part 2

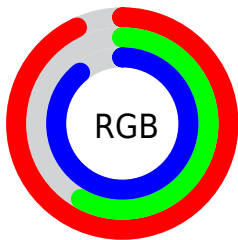
Format	Color
R _Y B	237, 148, 228
Decimal	15570148
CIE Lab	72.75, 45.27, -26.64
CIE LCh	73, 52.524, 329.522
Yxy	44.7858, 0.3249, 0.2444
Android (android.graphics.Color)	4293760228 (0xFFED94E4)
YUV	183.7310, 21.8246, 46.7169
Hunter-Lab	66.9222, 41.6885, -23.0783

Details

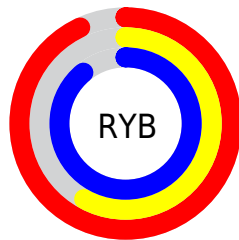
The Yxy color **44.7858, 0.3249, 0.2444** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **69.3330, 0.3025, 0.4316**, and the grayscale version is **47.6435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **20.8663, 0.3276, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **37.9664, 0.3288, 0.2235**, and if you desaturate by 10%, it is **53.1337, 0.3212, 0.2668**.

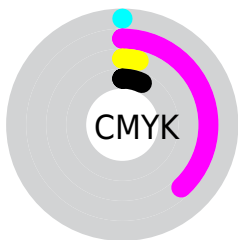
Distribution



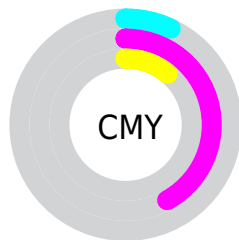
- Red (93%)
- Green (58%)
- Blue (89%)



- Red (93%)
- Yellow (58%)
- Blue (89%)



- Cyan (0%)
- Magenta (38%)
- Yellow (4%)
- Black (7%)




- Cyan (7%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7858, 0.3249, 0.2444 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 44.7858, 0.3249, 0.2444 by changing the saturation by 10% instead.


 44.7858, 0.3249,
0.2444

 44.7858, 0.3249,
0.2444


365.9054, 0.3201,
0.2837

 31.2887, 0.3258,
0.2354


 82.3989, 0.3234,
0.2580

 20.8188, 0.3267,
0.2244


 107.2837, 0.3228,
0.2634

 12.9916, 0.3277,
0.2105

136.7332, 0.3222,
0.2679

 7.4228, 0.3286,
0.1925

171.1319, 0.3217,
0.2719

 3.7279, 0.3290,
0.1686

210.8640, 0.3212,
0.2754

 1.5225, 0.3279,
0.1356

256.3140, 0.3208,

 0.3045, 0.3299,

0.2785

0.0659

307.8664, 0.3204,
0.2813

■ 0.0000, 0.2571,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.7858, 0.3249,
0.2444

■ 44.7858, 0.3249,
0.2444

■ 37.9664, 0.3288,
0.2235

■ 53.1337, 0.3212,
0.2668

■ 32.5760, 0.3329,
0.2049

■ 63.0898, 0.3178,
0.2896

■ 28.5125, 0.3369,
0.1898

■ 74.7354, 0.3148,
0.3123

■ 25.6581, 0.3408,
0.1787

■ 88.1446, 0.3121,
0.3342

■ 23.8740, 0.3445,
0.1721

■ 95.8299, 0.3102,
0.3439

■ 22.9747, 0.3479,
0.1697

■ 95.9738, 0.3088,
0.3414

■ 22.8208, 0.3487,
0.1695

■ 96.1196, 0.3074,
0.3390

■ 96.2674, 0.3061,
0.3366

■ 96.4170, 0.3047,
0.3342

Harmonies

Analogous

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



44.7858, 0.2547, 0.2202



44.7858, 0.3249, 0.2444



44.7858, 0.3999, 0.2860

Triad

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



44.7858, 0.3249, 0.2444



44.7858, 0.4216, 0.4421



44.7858, 0.1915, 0.2951

Complementary

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



44.7858, 0.3249, 0.2444



69.3330, 0.3025, 0.4316

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.



44.7858, 0.2269, 0.3718



44.7858, 0.3249, 0.2444



44.7858, 0.3590, 0.4660

Square

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



44.7858, 0.3249, 0.2444



44.7858, 0.4573, 0.3932



44.7858, 0.2876, 0.4415



44.7858, 0.1851, 0.2419

Rectangle

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



44.7858, 0.3249, 0.2444



44.7858, 0.4382, 0.3200



44.7858, 0.2876, 0.4415



44.7858, 0.2000, 0.3189

Sweetspot

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



44.7878, 0.3249, 0.2444



83.2089, 0.3158, 0.3045



34.4430, 0.2502, 0.2167



17.4047, 0.3162, 0.3014



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.



44.7878, 0.3249, 0.2444



46.5822, 0.3279, 0.2283



42.6290, 0.3676, 0.2894



15.2859, 0.3153, 0.3081



12.4629, 0.3482, 0.1692



0.9863, 0.3439, 0.1668

Inverse Universe

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



44.7878, 0.3249, 0.2444



46.5822, 0.3279, 0.2283



71.1357, 0.2785, 0.3730



15.2859, 0.3153, 0.3081



12.4629, 0.3482, 0.1692



0.9863, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 44.7858, 0.3249, 0.2444 looks on a white background.

Color Contrast Check

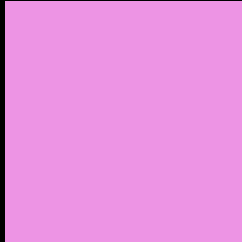
Large Text (above 18pt) WCAG AA × Fail

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 44.7858, 0.3249, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

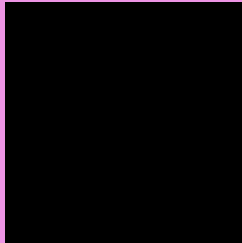
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7858, 0.3249, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 44.7858, 0.3249, 0.2444.



This preview shows how white text looks on a background with the Yxy color 44.7858, 0.3249, 0.2444.

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

44.7858, 0.3249, 0.2444

Protanopia

45.0583, 0.2482, 0.2404

Deuteranopia

44.9863, 0.2758, 0.2691



Tritanopia

44.5978, 0.3697, 0.3142

Trichromacy



Original Color

44.7858, 0.3249, 0.2444



Protanomaly

44.0624, 0.2720, 0.2409



Deuteranomaly

44.2168, 0.2921, 0.2579



Tritanomaly

44.5721, 0.3538, 0.2876

Monochromacy



Original Color

44.7858, 0.3249, 0.2444



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.9925, 0.3170, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7858, 0.3249, 0.2444 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(237, 148, 228)` looks like.

```
.text, #text, p{  
    color:rgb(237, 148, 228)  
}
```

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(237, 148, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 148, 228) }
```

Border

The CSS property to change the border of an element to Yxy 44.7858, 0.3249, 0.2444 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(237, 148, 228) }
```

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

```
.border{ border-color:rgb(237, 148, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 148, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 148, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 148, 228);  
box-shadow:4px 4px 4px 4px rgb(237, 148,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7858, 0.3249, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 148, 228) }
```

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

```
.background{ background-color: rgb(237,  
148, 228) }
```

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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