

Converting Colors

$Y_{xy}(44.6119, 0.3164, 0.2387)$

Have a look what the booklet for
Yxy(44.6119, 0.3164, 0.2387)
contains.

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Color

Yxy(44.7590, 0.3160, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	E995EA
RGB	233, 149, 234
RGB Percent	91%, 58%, 92%
CMY	0.0863, 0.4157, 0.0822
CMYK	0.00, 0.36, 0.00, 0.08
HSL	299°, 67%, 75%
HSV	299°, 36%, 92%
XYZ	59.2040, 44.7590, 83.3915
YIQ	183.8060, 22.7790, 44.2430

Conversions

Conversions Part 2

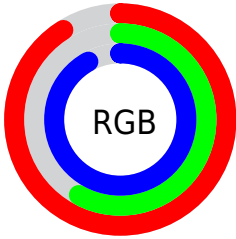
Format	Color
R _Y B	233, 149, 234
Decimal	15308266
CIE Lab	72.73, 44.54, -30.00
CIE LCh	73, 53.703, 326.042
Yxy	44.7590, 0.3160, 0.2389
Android (android.graphics.Color)	4293498346 (0xFFE995EA)
YUV	183.8060, 24.7456, 43.1431
Hunter-Lab	66.9022, 40.8820, -27.0717

Details

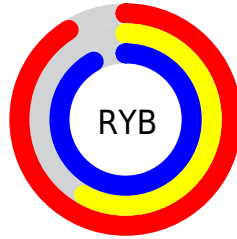
The Yxy color $44.7590, 0.3160, 0.2389$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $67.5292, 0.3082, 0.4387$, and the grayscale version is $47.6733, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6657, 0.3151, 0.2792$, and $20.8102, 0.3155, 0.2179$ is the 20% darker color. If you saturate the color by 10%, you get $38.0355, 0.3167, 0.2160$, and if you desaturate by 10%, it is $52.9745, 0.3152, 0.2634$.

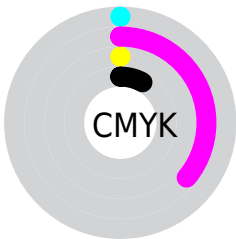
Distribution



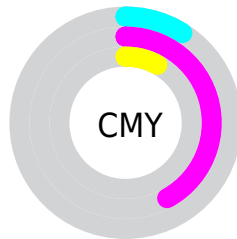
- Red (91%)
- Green (58%)
- Blue (92%)



- Red (91%)
- Yellow (58%)
- Blue (92%)



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (8%)





- Cyan (9%)
- Magenta (42%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7590, 0.3160, 0.2389 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 44.7590, 0.3160, 0.2389 by changing the saturation by 10% instead.

 44.7590, 0.3160,
0.2389

 44.7590, 0.3160,
0.2389


365.7966, 0.3157,
0.2806

 31.2676, 0.3157,
0.2295


 82.3586, 0.3161,
0.2533

 20.8027, 0.3153,
0.2179


 107.2357, 0.3161,
0.2589

 12.9799, 0.3143,
0.2034


136.6768, 0.3161,
0.2638

 7.4147, 0.3126,
0.1847

171.0664, 0.3160,
0.2680

 3.7228, 0.3093,
0.1601

210.7887, 0.3159,
0.2717

 1.5197, 0.3026,
0.1267

256.2283, 0.3159,

 0.3026, 0.2939,

0.2750

0.0595

307.7695, 0.3158,
0.2780

0.0000, 0.2059,
0.0000

0.0000, 0.0000,
0.0000

44.7590, 0.3160,
0.2389

44.7590, 0.3160,
0.2389

38.0355, 0.3167,
0.2160

52.9745, 0.3152,
0.2634

32.7083, 0.3173,
0.1957


62.7582, 0.3142,
0.2886

28.6802, 0.3178,
0.1789


74.1882, 0.3133,
0.3136


25.8390, 0.3180,
0.1661

87.3357, 0.3124,
0.3377

 24.0532, 0.3180,
0.1577


 95.0296, 0.3120,
0.3500

 23.1588, 0.3179,
0.1534

 95.0789, 0.3122,
0.3500

 22.9548, 0.3178,
0.1524

 95.1283, 0.3123,
0.3500

 95.1778, 0.3125,
0.3500

 95.2273, 0.3127,
0.3500

Harmonies

Analogous

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



44.7590, 0.2464, 0.2167



44.7590, 0.3160, 0.2389



44.7590, 0.3936, 0.2795

Triad

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



44.7590, 0.3160, 0.2389



44.7590, 0.4297, 0.4391



44.7590, 0.1917, 0.3023

Complementary

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



44.7590, 0.3160, 0.2389



67.5292, 0.3082, 0.4387

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.



44.7590, 0.2310, 0.3823



44.7590, 0.3160, 0.2389



44.7590, 0.3679, 0.4685

Square

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



44.7590, 0.3160, 0.2389



44.7590, 0.4621, 0.3876



44.7590, 0.2951, 0.4502



44.7590, 0.1820, 0.2446

Rectangle

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



44.7590, 0.3160, 0.2389



44.7590, 0.4354, 0.3134



44.7590, 0.2951, 0.4502



44.7590, 0.2016, 0.3276

Sweetspot

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



44.7610, 0.3160, 0.2389



83.3249, 0.3138, 0.3018



34.2809, 0.2467, 0.2212



17.4326, 0.3139, 0.2984



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.



44.7610, 0.3160, 0.2389



47.8019, 0.3166, 0.2207



42.8438, 0.3550, 0.2801



15.3037, 0.3136, 0.3058



12.8986, 0.3178, 0.1525



1.0159, 0.3183, 0.1527

Inverse Universe

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



41.2001, 0.3997, 0.3281



42.8644, 0.4290, 0.3279



68.9817, 0.2849, 0.3843



15.0571, 0.3291, 0.3288



9.8347, 0.6387, 0.3292



0.7733, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 44.7590, 0.3160, 0.2389 looks on a white background.

Color Contrast Check

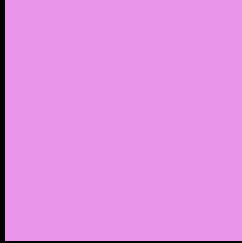
Large Text (above 18pt) WCAG AA × Fail

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 44.7590, 0.3160, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

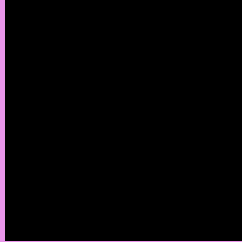
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7590, 0.3160, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 44.7590, 0.3160, 0.2389.



This preview shows how white text looks on a background with the Yxy color 44.7590, 0.3160, 0.2389.

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

44.7590, 0.3160, 0.2389

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.2539, 0.2690, 0.2632



Tritanopia

44.5533, 0.3624, 0.3139

Trichromacy



Original Color

44.7590, 0.3160, 0.2389



Protanomaly

44.0551, 0.2659, 0.2345



Deuteranomaly

44.3794, 0.2845, 0.2522



Tritanomaly

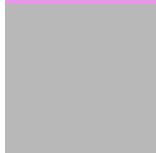
44.5934, 0.3449, 0.2848

Monochromacy



Original Color

44.7590, 0.3160, 0.2389



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.9466, 0.3145, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7590, 0.3160, 0.2389 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(233, 149, 234)` looks like.

```
.text, #text, p{  
    color:rgb(233, 149, 234)  
}
```

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(233, 149, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 149, 234) }
```

Border

The CSS property to change the border of an element to Yxy 44.7590, 0.3160, 0.2389 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(233, 149, 234) }
```

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

```
.border{ border-color:rgb(233, 149, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 149, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 149, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 149, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 149,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7590, 0.3160, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 149, 234) }
```

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

```
.background{ background-color: rgb(233,  
149, 234) }
```

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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