

Converting Colors

$Y_{xy}(39.0835, 0.3147, 0.2258)$

Have a look what the booklet for
Yxy(39.0835, 0.3147, 0.2258)
contains.

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Color

Yxy(39.0943, 0.3147, 0.2258)

Conversions

Conversions Part 1

Format	Color
Hex	E386E6
RGB	227, 134, 230
RGB Percent	89%, 53%, 90%
CMY	0.1099, 0.4745, 0.0979
CMYK	0.01, 0.42, 0.00, 0.10
HSL	298°, 66%, 71%
HSV	298°, 42%, 90%
XYZ	54.4862, 39.0943, 79.5564
YIQ	172.7510, 24.6120, 49.5720

Conversions

Conversions Part 2

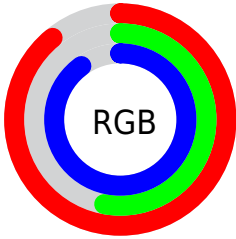
Format	Color
R _Y B	227, 134, 230
Decimal	14911206
CIE Lab	68.82, 49.75, -33.90
CIE LCh	69, 60.203, 325.734
Yxy	39.0943, 0.3147, 0.2258
Android (android.graphics.Color)	4293101286 (0xFFE386E6)
YUV	172.7510, 28.2238, 47.5764
Hunter-Lab	62.5254, 46.1297, -31.6719

Details

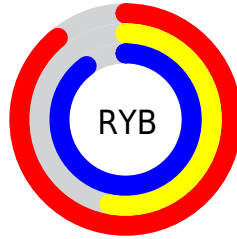
The Yxy color **39.0943, 0.3147, 0.2258** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.6525, 0.3085, 0.4574**, and the grayscale version is **41.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **17.4869, 0.3135, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **33.2955, 0.3148, 0.2039**, and if you desaturate by 10%, it is **46.2799, 0.3144, 0.2498**.

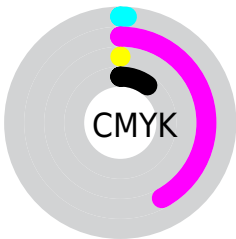
Distribution



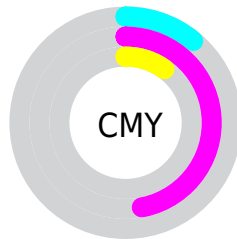
- Red (89%)
- Green (53%)
- Blue (90%)



- Red (89%)
- Yellow (53%)
- Blue (90%)



- Cyan (1%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)




- Cyan (11%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0943, 0.3147, 0.2258 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 39.0943, 0.3147, 0.2258 by changing the saturation by 10% instead.


 39.0943, 0.3147,
0.2258


 39.0943, 0.3147,
0.2258

342.2912, 0.3154,
0.2739

 26.8331, 0.3141,
0.2149


 73.7824, 0.3153,
0.2425

 17.4479, 0.3130,
0.2014


 96.9780, 0.3154,
0.2490

 10.5544, 0.3113,
0.1846


 124.5872, 0.3155,
0.2546

 5.7680, 0.3082,
0.1631

156.9945, 0.3155,
0.2595

 2.7045, 0.3026,
0.1349

194.5841, 0.3155,
0.2637

 0.9795, 0.2914,
0.0975

237.7405, 0.3155,

 0.0000, 0.2807,

0.2675

0.0000

286.8481, 0.3155,
0.2709

0.0000, 0.0359,
0.0000

0.0000, 0.0000,
0.0000

39.0943, 0.3147,
0.2258

39.0943, 0.3147,
0.2258

33.2955, 0.3148,
0.2039

46.2799, 0.3144,
0.2498

28.7876, 0.3148,
0.1850


54.9294, 0.3140,
0.2748

25.4712, 0.3145,
0.1699


65.1207, 0.3134,
0.3001

23.2296, 0.3141,
0.1590

76.9243, 0.3128,
0.3248


 21.9233, 0.3135,
0.1525

 90.4067, 0.3122,
0.3484

 21.3621, 0.3129,
0.1497

 94.2830, 0.3124,
0.3543

 94.4047, 0.3128,
0.3543

 94.5268, 0.3133,
0.3542

 94.6495, 0.3137,
0.3542

Harmonies

Analogous

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



39.0943, 0.2351, 0.2010



39.0943, 0.3147, 0.2258



39.0943, 0.4063, 0.2709

Triad

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



39.0943, 0.3147, 0.2258



39.0943, 0.4463, 0.4527



39.0943, 0.1742, 0.2967

Complementary

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



39.0943, 0.3147, 0.2258



63.6525, 0.3085, 0.4574

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.



39.0943, 0.2179, 0.3927



39.0943, 0.3147, 0.2258



39.0943, 0.3744, 0.4921

Square

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



39.0943, 0.3147, 0.2258



39.0943, 0.4858, 0.3917



39.0943, 0.2909, 0.4747



39.0943, 0.1639, 0.2309

Rectangle

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



39.0943, 0.3147, 0.2258



39.0943, 0.4560, 0.3085



39.0943, 0.2909, 0.4747



39.0943, 0.1850, 0.3266

Sweetspot

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



39.0960, 0.3147, 0.2258



80.4444, 0.3135, 0.2967



28.7345, 0.2355, 0.2045



16.5825, 0.3136, 0.2912



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.



39.0960, 0.3147, 0.2258



43.0307, 0.3148, 0.2069



37.3920, 0.3621, 0.2711



14.5907, 0.3133, 0.3058



12.1015, 0.3131, 0.1498



0.9016, 0.3143, 0.1505

Inverse Universe

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



35.6875, 0.4171, 0.3258



38.2215, 0.4513, 0.3253



64.9249, 0.2823, 0.3963



14.3753, 0.3288, 0.3283



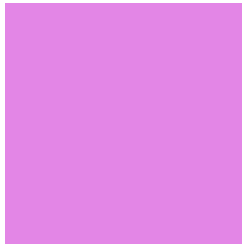
9.5366, 0.6366, 0.3281



0.7073, 0.6269, 0.3227

Previews

White Background



This preview shows how the Yxy color 39.0943, 0.3147, 0.2258 looks on a white background.

Color Contrast Check

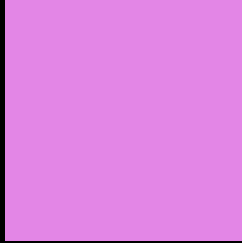
Large Text (above 18pt) WCAG AA × Fail

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 39.0943, 0.3147, 0.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

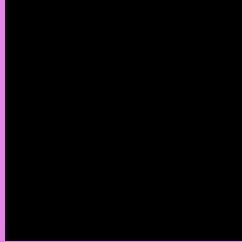
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0943, 0.3147, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 39.0943, 0.3147, 0.2258.



This preview shows how white text looks on a background with the Yxy color 39.0943, 0.3147, 0.2258.

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

39.0943, 0.3147, 0.2258

Protanopia

39.4486, 0.2307, 0.2176

Deuteranopia

39.5243, 0.2591, 0.2534



Tritanopia

38.9735, 0.3721, 0.3146

Trichromacy



Original Color

39.0943, 0.3147, 0.2258



Protanomaly

38.3111, 0.2554, 0.2185



Deuteranomaly

38.4259, 0.2775, 0.2405



Tritanomaly

38.8638, 0.3503, 0.2798

Monochromacy



Original Color

39.0943, 0.3147, 0.2258



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.0288, 0.3139, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0943, 0.3147, 0.2258 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(227, 134, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 134, 230)  
}
```

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(227, 134, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 134, 230) }
```

Border

The CSS property to change the border of an element to Yxy 39.0943, 0.3147, 0.2258 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(227, 134, 230) }
```

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

```
.border{ border-color:rgb(227, 134, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 134, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 134, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 134, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 134,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0943, 0.3147, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 134, 230) }
```

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

```
.background{ background-color: rgb(227,  
134, 230) }
```

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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