

Converting Colors

$Y_{xy}(39.8004, 0.3160, 0.2252)$

Have a look what the booklet for
Yxy(39.8004, 0.3160, 0.2252)
contains.

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Color

Yxy(39.6994, 0.3157, 0.2249)

Conversions

Conversions Part 1

Format	Color
Hex	E686E8
RGB	230, 134, 232
RGB Percent	90%, 53%, 91%
CMY	0.0980, 0.4745, 0.0901
CMYK	0.01, 0.42, 0.00, 0.09
HSL	299°, 68%, 72%
HSV	299°, 42%, 91%
XYZ	55.7274, 39.6994, 81.0934
YIQ	173.8760, 25.7580, 50.8300

Conversions

Conversions Part 2

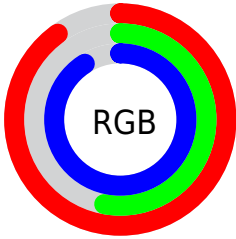
Format	Color
R _Y B	230, 134, 232
Decimal	15107816
CIE _{Lab}	69.25, 51.01, -34.30
CIE _{LCh}	69, 61.466, 326.083
Y _{xy}	39.6994, 0.3157, 0.2249
Android (android.graphics.Color)	4293297896 (0xFFE686E8)
Y _{UV}	173.8760, 28.6551, 49.2207
Hunter-Lab	63.0075, 47.6127, -32.2036

Details

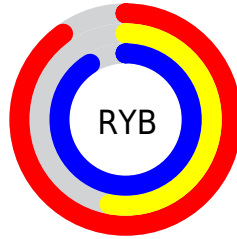
The Yxy color **39.6994, 0.3157, 0.2249** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.6896, 0.3078, 0.4595**, and the grayscale version is **42.1020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **17.9037, 0.3149, 0.2012** is the 20% darker color. If you saturate the color by 10%, you get **33.8962, 0.3161, 0.2033**, and if you desaturate by 10%, it is **46.9133, 0.3151, 0.2487**.

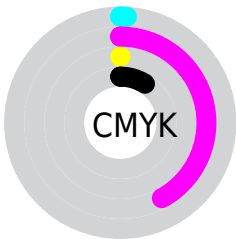
Distribution



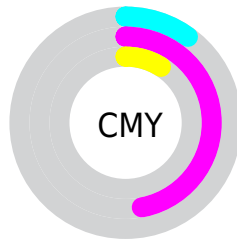
- Red (90%)
- Green (53%)
- Blue (91%)



- Red (90%)
- Yellow (53%)
- Blue (91%)



- Cyan (1%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (10%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6994, 0.3157, 0.2249 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 39.6994, 0.3157, 0.2249 by changing the saturation by 10% instead.


 39.6994, 0.3157,
0.2249


 39.6994, 0.3157,
0.2249


344.8550, 0.3160,
0.2733

 27.3042, 0.3152,
0.2140


 74.7056, 0.3162,
0.2416

 17.8019, 0.3143,
0.2006


 98.0853, 0.3162,
0.2481

 10.8078, 0.3127,
0.1838


 125.8955, 0.3162,
0.2538

 5.9378, 0.3099,
0.1624

158.5203, 0.3162,
0.2587

 2.8073, 0.3047,
0.1345

196.3443, 0.3162,
0.2630

 1.0320, 0.2942,
0.0977

239.7518, 0.3161,

 0.0000, 0.2855,

0.2668

0.0000

289.1272, 0.3160,
0.2702

■ 0.0000, 0.0936,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6994, 0.3157,
0.2249

■ 39.6994, 0.3157,
0.2249

■ 33.8962, 0.3161,
0.2033

■ 46.9133, 0.3151,
0.2487

■ 29.4054, 0.3164,
0.1848

■ 55.6172, 0.3144,
0.2736

■ 26.1245, 0.3165,
0.1701


■ 65.8908, 0.3137,
0.2988

■ 23.9337, 0.3163,
0.1598

■ 77.8065, 0.3129,
0.3236


 22.6885, 0.3160,
0.1537

 91.4323, 0.3121,
0.3473

 22.1957, 0.3157,
0.1513

 94.6525, 0.3122,
0.3522

 94.7335, 0.3125,
0.3522

 94.8147, 0.3128,
0.3521

 94.8961, 0.3131,
0.3521

Harmonies

Analogous

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



39.6994, 0.2347, 0.1996



39.6994, 0.3157, 0.2249



39.6994, 0.4087, 0.2706

Triad

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



39.6994, 0.3157, 0.2249



39.6994, 0.4472, 0.4548



39.6994, 0.1721, 0.2950

Complementary

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



39.6994, 0.3157, 0.2249



64.6896, 0.3078, 0.4595

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.



39.6994, 0.2157, 0.3925



39.6994, 0.3157, 0.2249



39.6994, 0.3740, 0.4948

Square

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



39.6994, 0.3157, 0.2249



39.6994, 0.4880, 0.3929



39.6994, 0.2894, 0.4767



39.6994, 0.1621, 0.2289

Rectangle

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



39.6994, 0.3157, 0.2249



39.6994, 0.4589, 0.3087



39.6994, 0.2894, 0.4767



39.6994, 0.1828, 0.3252

Sweetspot

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



39.7012, 0.3157, 0.2249



80.5129, 0.3138, 0.2968



28.8634, 0.2344, 0.2027



16.5996, 0.3139, 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.



39.7012, 0.3157, 0.2249



42.6272, 0.3161, 0.2053



37.7683, 0.3630, 0.2703



14.5992, 0.3135, 0.3058



12.3255, 0.3158, 0.1513



0.9157, 0.3166, 0.1518

Inverse Universe

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



35.9895, 0.4203, 0.3270



37.4637, 0.4573, 0.3267



66.0849, 0.2820, 0.3973



14.3728, 0.3289, 0.3286



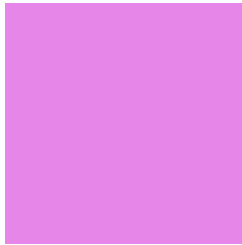
9.5323, 0.6378, 0.3287



0.7061, 0.6314, 0.3252

Previews

White Background



This preview shows how the Yxy color 39.6994, 0.3157, 0.2249 looks on a white background.

Color Contrast Check

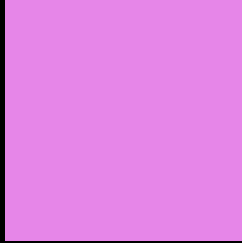
Large Text (above 18pt) WCAG AA × Fail

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 39.6994, 0.3157, 0.2249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

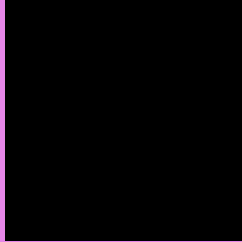
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6994, 0.3157, 0.2249

Background



This preview shows how black text looks on a background with the Yxy color 39.6994, 0.3157, 0.2249.

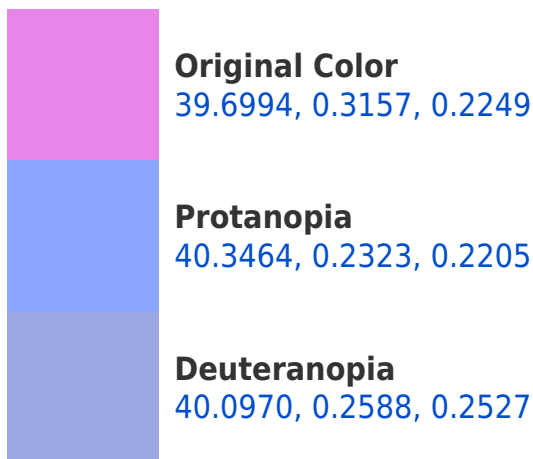


This preview shows how white text looks on a background with the Yxy color 39.6994, 0.3157, 0.2249.

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

39.7581, 0.3748, 0.3160

Trichromacy



Original Color

39.6994, 0.3157, 0.2249



Protanomaly

38.9287, 0.2564, 0.2192



Deuteranomaly

38.9892, 0.2769, 0.2398



Tritanomaly

39.3817, 0.3522, 0.2792

Monochromacy



Original Color

39.6994, 0.3157, 0.2249



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.2057, 0.3139, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6994, 0.3157, 0.2249 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(230, 134, 232)` looks like.

```
.text, #text, p{  
    color:rgb(230, 134, 232)  
}
```

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(230, 134, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 134, 232) }
```

Border

The CSS property to change the border of an element to Yxy 39.6994, 0.3157, 0.2249 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(230, 134, 232) }
```

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

```
.border{ border-color:rgb(230, 134, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 134, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 134, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 134, 232);  
box-shadow:4px 4px 4px 4px rgb(230, 134,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6994, 0.3157, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 134, 232) }
```

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

```
.background{ background-color: rgb(230,  
134, 232) }
```

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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