

Converting Colors

$Y_{xy}(39.3625, 0.3135, 0.2126)$

Have a look what the booklet for
Yxy(39.3625, 0.3135, 0.2126)
contains.

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Color

Yxy(39.3625, 0.3135, 0.2126)

Conversions

Conversions Part 1

Format	Color
Hex	EC7FF1
RGB	236, 127, 241
RGB Percent	93%, 50%, 95%
CMY	0.0747, 0.5018, 0.0550
CMYK	0.02, 0.47, 0.00, 0.05
HSL	297°, 80%, 72%
HSV	297°, 47%, 95%
XYZ	58.0439, 39.3625, 87.7417
YIQ	172.5870, 28.3700, 58.5620

Conversions

Conversions Part 2

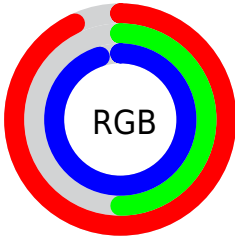
Format	Color
R _Y B	236, 127, 241
Decimal	15499249
CIE Lab	69.01, 57.77, -39.54
CIE LCh	69, 70.005, 325.611
Yxy	39.3625, 0.3135, 0.2126
Android (android.graphics.Color)	4293689329 (0xFFEC7FF1)
YUV	172.5870, 33.7276, 55.6132
Hunter-Lab	62.7395, 55.3464, -38.9998

Details

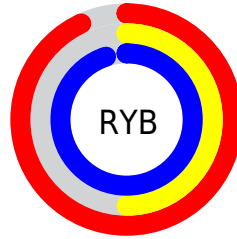
The Yxy color **39.3625, 0.3135, 0.2126** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **69.3438, 0.3085, 0.4773**, and the grayscale version is **41.3869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **17.5604, 0.3117, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **33.6825, 0.3132, 0.1920**, and if you desaturate by 10%, it is **46.5356, 0.3136, 0.2358**.

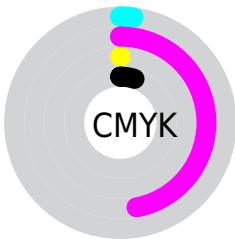
Distribution



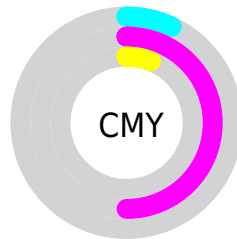
- Red (93%)
- Green (50%)
- Blue (95%)



- Red (93%)
- Yellow (50%)
- Blue (95%)



- Cyan (2%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)




- Cyan (7%)
- Magenta (50%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3625, 0.3135, 0.2126 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 39.3625, 0.3135, 0.2126 by changing the saturation by 10% instead.

 39.3625, 0.3135,
0.2126


 39.3625, 0.3135,
0.2126

343.4292, 0.3153,
0.2659


 27.0418, 0.3125,
0.2008


 74.1918, 0.3146,
0.2308

 17.6047, 0.3110,
0.1865


 97.4692, 0.3149,
0.2380

 10.6665, 0.3085,
0.1688


 125.1676, 0.3151,
0.2442

 5.8431, 0.3045,
0.1466

157.6715, 0.3152,
0.2496

 2.7499, 0.2975,
0.1184

195.3652, 0.3153,
0.2544

 1.0026, 0.2843,
0.0826

238.6331, 0.3153,

 0.0000, 0.2682,

0.2587

0.0000

287.8597, 0.3153,
0.2625

■ 0.0000, 0.1431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3625, 0.3135,
0.2126

■ 39.3625, 0.3135,
0.2126

■ 33.6825, 0.3132,
0.1920

■ 46.5356, 0.3136,
0.2358

■ 29.3824, 0.3127,
0.1749


■ 55.2937, 0.3136,
0.2606


■ 26.3418, 0.3119,
0.1619


■ 65.7275, 0.3133,
0.2860

■ 24.4168, 0.3110,
0.1533


■ 77.9194, 0.3130,
0.3112


 23.4201, 0.3100,
0.1488

 91.9462, 0.3126,
0.3355

 23.2298, 0.3097,
0.1480

 96.8060, 0.3129,
0.3428

 96.9951, 0.3136,
0.3428

 97.1853, 0.3142,
0.3427

 97.3766, 0.3149,
0.3427

Harmonies

Analogous

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



39.3625, 0.2235, 0.1854



39.3625, 0.3135, 0.2126



39.3625, 0.4202, 0.2620

Triad

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



39.3625, 0.3135, 0.2126



39.3625, 0.4619, 0.4653



39.3625, 0.1562, 0.2898

Complementary

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



39.3625, 0.3135, 0.2126



69.3438, 0.3085, 0.4773

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.



39.3625, 0.2035, 0.4036



39.3625, 0.3135, 0.2126



39.3625, 0.3793, 0.5168

Square

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



39.3625, 0.3135, 0.2126



39.3625, 0.5099, 0.3945



39.3625, 0.2852, 0.5020



39.3625, 0.1459, 0.2162

Rectangle

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



39.3625, 0.3135, 0.2126



39.3625, 0.4783, 0.3032



39.3625, 0.2852, 0.5020



39.3625, 0.1676, 0.3245

Sweetspot

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



39.3642, 0.3135, 0.2126



79.0021, 0.3133, 0.2942



27.5690, 0.2239, 0.1871



16.2945, 0.3133, 0.2887



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.



39.3642, 0.3135, 0.2126



38.3600, 0.3132, 0.1922



37.5922, 0.3696, 0.2616



15.9938, 0.3131, 0.3057



12.6155, 0.3099, 0.1481



1.0604, 0.3114, 0.1489

Inverse Universe

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



35.5551, 0.4376, 0.3239



33.5989, 0.4805, 0.3233



70.6414, 0.2802, 0.4100



15.7701, 0.3286, 0.3280



10.1588, 0.6354, 0.3274



0.8491, 0.6233, 0.3207

Previews

White Background



This preview shows how the Yxy color 39.3625, 0.3135, 0.2126 looks on a white background.

Color Contrast Check

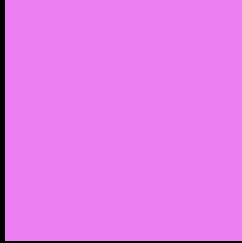
Large Text (above 18pt) WCAG AA × Fail

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 39.3625, 0.3135, 0.2126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

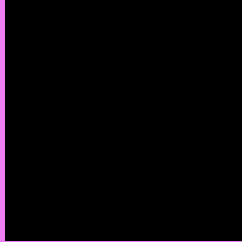
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3625, 0.3135, 0.2126

Background



This preview shows how black text looks on a background with the Yxy color 39.3625, 0.3135, 0.2126.



This preview shows how white text looks on a background with the Yxy color 39.3625, 0.3135, 0.2126.

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

39.3625, 0.3135, 0.2126

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.7810, 0.2484, 0.2428



Tritanopia

39.3436, 0.3830, 0.3162

Trichromacy



Original Color

39.3625, 0.3135, 0.2126



Protanomaly

38.2428, 0.2549, 0.2132



Deuteranomaly

38.1546, 0.2679, 0.2266



Tritanomaly

39.0450, 0.3569, 0.2745

Monochromacy



Original Color

39.3625, 0.3135, 0.2126



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.5899, 0.3133, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3625, 0.3135, 0.2126 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(236, 127, 241)` looks like.

```
.text, #text, p{  
    color:rgb(236, 127, 241)  
}
```

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(236, 127, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 127, 241) }
```

Border

The CSS property to change the border of an element to Yxy 39.3625, 0.3135, 0.2126 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(236, 127, 241) }
```

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

```
.border{ border-color:rgb(236, 127, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 127, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 127, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 127, 241);  
box-shadow:4px 4px 4px 4px rgb(236, 127,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3625, 0.3135, 0.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 127, 241) }
```

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

```
.background{ background-color: rgb(236,  
127, 241) }
```

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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