

Converting Colors

$Y_{xy}(38.6332, 0.3097, 0.2095)$

Have a look what the booklet for
Yxy(38.6332, 0.3097, 0.2095)
contains.

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Color

Yxy(38.6562, 0.3099, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	E97EF2
RGB	233, 126, 242
RGB Percent	91%, 49%, 95%
CMY	0.0865, 0.5057, 0.0511
CMYK	0.04, 0.48, 0.00, 0.05
HSL	295°, 82%, 72%
HSV	295°, 48%, 95%
XYZ	57.0727, 38.6562, 88.4360
YIQ	171.2170, 26.5360, 58.7600

Conversions

Conversions Part 2

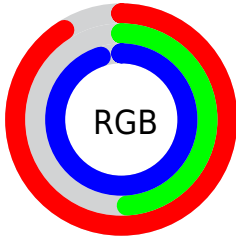
Format	Color
R _{YB}	233, 126, 242
Decimal	15302386
CIE _{Lab}	68.50, 57.60, -40.91
CIE _{LCh}	69, 70.647, 324.613
Yxy	38.6562, 0.3099, 0.2099
Android (android.graphics.Color)	4293492466 (0xFFE97EF2)
YUV	171.2170, 34.8960, 54.1837
Hunter-Lab	62.1741, 55.0493, -40.8117

Details

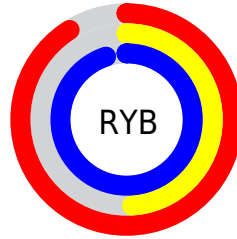
The Yxy color **38.6562, 0.3099, 0.2099** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **70.1547, 0.3106, 0.4786**, and the grayscale version is **40.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **17.1232, 0.3068, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **32.8811, 0.3086, 0.1889**, and if you desaturate by 10%, it is **45.9346, 0.3109, 0.2335**.

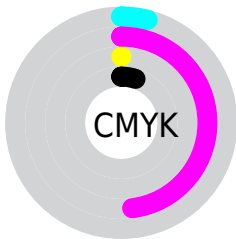
Distribution



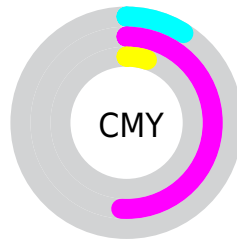
- Red (91%)
- Green (49%)
- Blue (95%)



- Red (91%)
- Yellow (49%)
- Blue (95%)



- Cyan (4%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)




- Cyan (9%)
- Magenta (51%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6562, 0.3099, 0.2099 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 38.6562, 0.3099, 0.2099 by changing the saturation by 10% instead.


 38.6562, 0.3099,
0.2099


 38.6562, 0.3099,
0.2099


340.4266, 0.3136,
0.2644

 26.4924, 0.3084,
0.1978


 73.1128, 0.3117,
0.2286

 17.1924, 0.3063,
0.1832


 96.1744, 0.3122,
0.2359

 10.3717, 0.3031,
0.1652


 123.6374, 0.3126,
0.2422

 5.6461, 0.2979,
0.1426

155.8861, 0.3129,
0.2478

 2.6311, 0.2893,
0.1140

193.3050, 0.3132,
0.2527

 0.9423, 0.2738,
0.0780

236.2784, 0.3133,

 0.0000, 0.2526,

0.2570

0.0000

285.1908, 0.3135,
0.2609

■ 0.0000, 0.1111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6562, 0.3099,
0.2099

■ 38.6562, 0.3099,
0.2099

■ 32.8811, 0.3086,
0.1889

■ 45.9346, 0.3109,
0.2335

■ 28.4946, 0.3071,
0.1713


■ 54.8100, 0.3117,
0.2586

■ 25.3736, 0.3053,
0.1578


■ 65.3744, 0.3123,
0.2842


■ 23.3711, 0.3035,
0.1489


■ 77.7115, 0.3126,
0.3096

 22.2870, 0.3015,
0.1440


 91.8991, 0.3127,
0.3340

 22.1141, 0.3011,
0.1432

 97.2079, 0.3135,
0.3418

 97.5476, 0.3147,
0.3417

 97.8908, 0.3159,
0.3417

 98.2375, 0.3171,
0.3416

Harmonies

Analogous

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



38.6562, 0.2199, 0.1833



38.6562, 0.3099, 0.2099



38.6562, 0.4183, 0.2592

Triad

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



38.6562, 0.3099, 0.2099



38.6562, 0.4658, 0.4642



38.6562, 0.1552, 0.2922

Complementary

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



38.6562, 0.3099, 0.2099



70.1547, 0.3106, 0.4786

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.



38.6562, 0.2041, 0.4088



38.6562, 0.3099, 0.2099



38.6562, 0.3828, 0.5185

Square

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



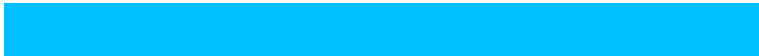
38.6562, 0.3099, 0.2099



38.6562, 0.5132, 0.3923



38.6562, 0.2876, 0.5071



38.6562, 0.1438, 0.2163

Rectangle

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



38.6562, 0.3099, 0.2099



38.6562, 0.4784, 0.3004



38.6562, 0.2876, 0.5071



38.6562, 0.1671, 0.3280

Sweetspot

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



38.6579, 0.3099, 0.2099



78.7756, 0.3124, 0.2941



28.3774, 0.2234, 0.1898



16.2386, 0.3123, 0.2886



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.



38.6579, 0.3099, 0.2099



37.4701, 0.3087, 0.1903



37.6889, 0.3664, 0.2568



15.9651, 0.3126, 0.3056



11.9105, 0.3014, 0.1434



1.0093, 0.3041, 0.1449

Inverse Universe

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



35.5604, 0.4354, 0.3195



33.7165, 0.4743, 0.3184



70.9979, 0.2818, 0.4166



15.7788, 0.3281, 0.3272



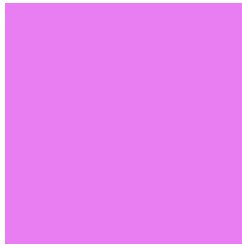
10.1736, 0.6316, 0.3253



0.8532, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 38.6562, 0.3099, 0.2099 looks on a white background.

Color Contrast Check

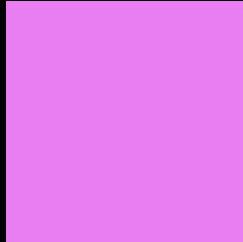
Large Text (above 18pt) WCAG AA × Fail

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 38.6562, 0.3099, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

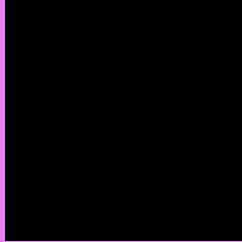
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6562, 0.3099, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 38.6562, 0.3099, 0.2099.

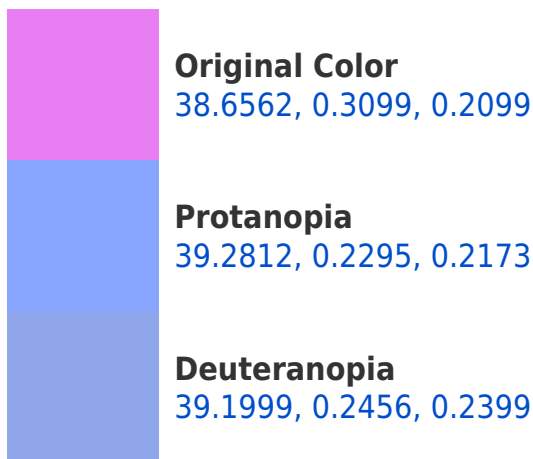


This preview shows how white text looks on a background with the Yxy color 38.6562, 0.3099, 0.2099.

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

38.5217, 0.3814, 0.3160

Trichromacy



Original Color

38.6562, 0.3099, 0.2099



Protanomaly

37.6933, 0.2533, 0.2116



Deuteranomaly

37.5364, 0.2647, 0.2238



Tritanomaly

38.2648, 0.3541, 0.2728

Monochromacy



Original Color

38.6562, 0.3099, 0.2099



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9432, 0.3124, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6562, 0.3099, 0.2099 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, 126, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 126, 242)  
}
```

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, 126, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 126, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.6562, 0.3099, 0.2099 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, 126, 242) }
```

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

```
.border{ border-color:rgb(233, 126, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 126, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 126, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 126, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 126,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6562, 0.3099, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 126, 242) }
```

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

```
.background{ background-color: rgb(233,  
126, 242) }
```

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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