

Converting Colors

$Y_{xy}(38.6001, 0.3168, 0.2169)$

Have a look what the booklet for
Yxy(38.6001, 0.3168, 0.2169)
contains.

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Color

Yxy(38.6693, 0.3170, 0.2169)

Conversions

Conversions Part 1

Format	Color
Hex	EA7FEB
RGB	234, 127, 235
RGB Percent	92%, 50%, 92%
CMY	0.0824, 0.5019, 0.0784
CMYK	0.00, 0.46, 0.00, 0.08
HSL	299°, 73%, 71%
HSV	299°, 46%, 92%
XYZ	56.5153, 38.6693, 83.0971
YIQ	171.3050, 29.1040, 56.2720

Conversions

Conversions Part 2

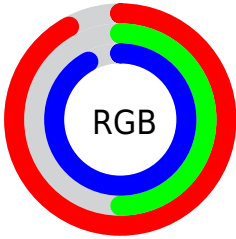
Format	Color
R_{YB}	234, 127, 235
Decimal	15368171
CIE _{Lab}	68.51, 56.18, -37.06
CIE _{LCh}	69, 67.300, 326.586
Yxy	38.6693, 0.3170, 0.2169
Android (android.graphics.Color)	4293558251 (0xFFEA7FEB)
YUV	171.3050, 31.4016, 54.9835
Hunter-Lab	62.1846, 53.4031, -35.6997

Details

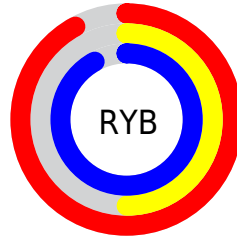
The Yxy color **38.6693, 0.3170, 0.2169** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **65.5532, 0.3065, 0.4733**, and the grayscale version is **40.7158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **17.2499, 0.3153, 0.1913** is the 20% darker color. If you saturate the color by 10%, you get **33.2536, 0.3177, 0.1965**, and if you desaturate by 10%, it is **45.5042, 0.3162, 0.2398**.

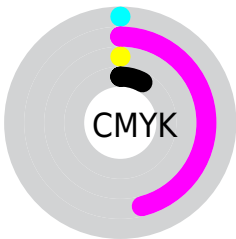
Distribution



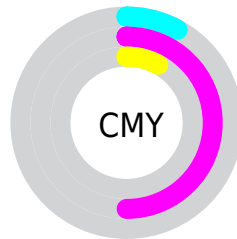
- Red (92%)
- Green (50%)
- Blue (92%)



- Red (92%)
- Yellow (50%)
- Blue (92%)



- Cyan (0%)
- Magenta (46%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (50%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6693, 0.3170, 0.2169 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 38.6693, 0.3170, 0.2169 by changing the saturation by 10% instead.


 38.6693, 0.3170,
0.2169


 38.6693, 0.3170,
0.2169

340.4824, 0.3169,
0.2686

 26.5026, 0.3165,
0.2053


 73.1328, 0.3174,
0.2347

 17.2000, 0.3156,
0.1912


 96.1984, 0.3174,
0.2417

 10.3772, 0.3139,
0.1736


 123.6658, 0.3174,
0.2477

 5.6497, 0.3110,
0.1514

155.9193, 0.3173,
0.2530

 2.6333, 0.3053,
0.1229

193.3433, 0.3172,
0.2576

 0.9434, 0.2941,
0.0861

236.3222, 0.3171,

 0.0000, 0.2810,

0.2617

0.0000

285.2405, 0.3170,
0.2654

0.0000, 0.1169,
0.0000

0.0000, 0.0000,
0.0000

38.6693, 0.3170,
0.2169

38.6693, 0.3170,
0.2169

33.2536, 0.3177,
0.1965

45.5042, 0.3162,
0.2398

29.1519, 0.3182,
0.1796

53.8434, 0.3153,
0.2644

26.2533, 0.3185,
0.1668


63.7712, 0.3143,
0.2895


24.4258, 0.3186,
0.1583

75.3646, 0.3133,
0.3145


 23.5064, 0.3186,
0.1539


 88.6952, 0.3123,
0.3386

 23.2849, 0.3185,
0.1528

 95.2386, 0.3120,
0.3490

 95.2770, 0.3121,
0.3490

 95.3153, 0.3123,
0.3490

 95.3538, 0.3124,
0.3490

Harmonies

Analogous

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



38.6693, 0.2285, 0.1895



38.6693, 0.3170, 0.2169



38.6693, 0.4200, 0.2659

Triad

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



38.6693, 0.3170, 0.2169



38.6693, 0.4563, 0.4645



38.6693, 0.1595, 0.2885

Complementary

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



38.6693, 0.3170, 0.2169



65.5532, 0.3065, 0.4733

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.



38.6693, 0.2049, 0.3973



38.6693, 0.3170, 0.2169



38.6693, 0.3755, 0.5118

Square

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



38.6693, 0.3170, 0.2169



38.6693, 0.5037, 0.3962



38.6693, 0.2838, 0.4935



38.6693, 0.1502, 0.2181

Rectangle

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



38.6693, 0.3170, 0.2169



38.6693, 0.4751, 0.3065



38.6693, 0.2838, 0.4935



38.6693, 0.1704, 0.3217

Sweetspot

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



38.6710, 0.3170, 0.2169



79.2351, 0.3141, 0.2943



26.1627, 0.2260, 0.1872



16.3520, 0.3143, 0.2888



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.



38.6710, 0.3170, 0.2169



40.4312, 0.3176, 0.1979



36.2581, 0.3713, 0.2672



15.3060, 0.3137, 0.3058



12.9601, 0.3185, 0.1528



1.0201, 0.3189, 0.1530

Inverse Universe

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



34.4066, 0.4365, 0.3282



34.7276, 0.4772, 0.3282



67.2043, 0.2790, 0.4022



15.0564, 0.3291, 0.3288



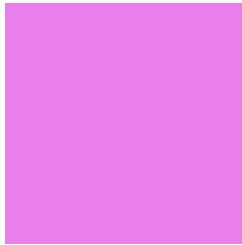
9.8336, 0.6390, 0.3294



0.7730, 0.6362, 0.3278

Previews

White Background



This preview shows how the Yxy color 38.6693, 0.3170, 0.2169 looks on a white background.

Color Contrast Check

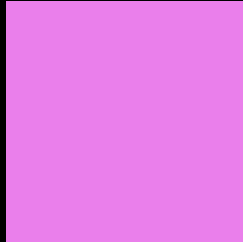
Large Text (above 18pt) WCAG AA × Fail

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 38.6693, 0.3170, 0.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

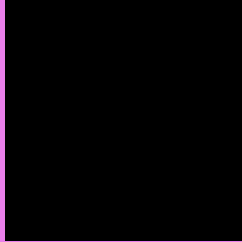
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6693, 0.3170, 0.2169

Background



This preview shows how black text looks on a background with the Yxy color 38.6693, 0.3170, 0.2169.

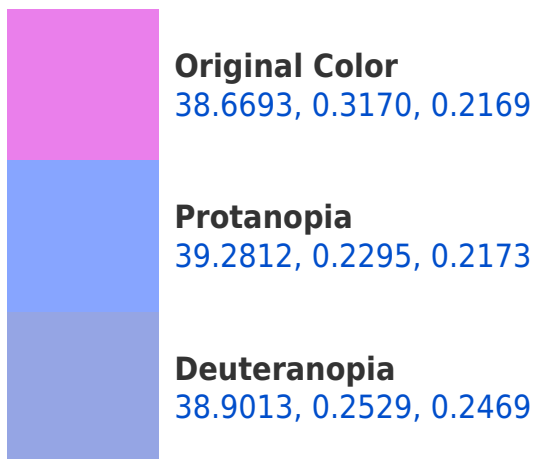


This preview shows how white text looks on a background with the Yxy color 38.6693, 0.3170, 0.2169.

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

38.4984, 0.3849, 0.3161

Trichromacy



Original Color

38.6693, 0.3170, 0.2169



Protanomaly

37.5685, 0.2545, 0.2134



Deuteranomaly

37.6060, 0.2728, 0.2315



Tritanomaly

38.1737, 0.3595, 0.2753

Monochromacy



Original Color

38.6693, 0.3170, 0.2169



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.8071, 0.3150, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6693, 0.3170, 0.2169 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(234, 127, 235)` looks like.

```
.text, #text, p{  
    color:rgb(234, 127, 235)  
}
```

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(234, 127, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 127, 235) }
```

Border

The CSS property to change the border of an element to Yxy 38.6693, 0.3170, 0.2169 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(234, 127, 235) }
```

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

```
.border{ border-color:rgb(234, 127, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 127, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 127, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 127, 235);  
box-shadow:4px 4px 4px 4px rgb(234, 127,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6693, 0.3170, 0.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 127, 235) }
```

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

```
.background{ background-color: rgb(234,  
127, 235) }
```

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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