

Converting Colors

Yxy(37.2507, 0.3164, 0.2114)

Have a look what the booklet for
Yxy(37.2507, 0.3164, 0.2114)
contains.

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Color

Yxy(37.4097, 0.3172, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	EA7AEB
RGB	234, 122, 235
RGB Percent	92%, 48%, 92%
CMY	0.0826, 0.5213, 0.0785
CMYK	0.00, 0.48, 0.00, 0.08
HSL	299°, 74%, 70%
HSV	299°, 48%, 92%
XYZ	55.8680, 37.4097, 82.8509
YIQ	168.3700, 30.4790, 58.8870

Conversions

Conversions Part 2

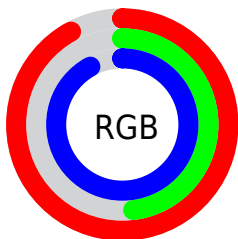
Format	Color
RYB	234, 122, 235
Decimal	15366891
CIELab	67.58, 58.56, -38.48
CIElCh	68, 70.075, 326.693
Yxy	37.4097, 0.3172, 0.2124
Android (android.graphics.Color)	4293556971 (0xFFEA7AEB)
YUV	168.3700, 32.8486, 57.5575
Hunter-Lab	61.1635, 56.0095, -37.4987

Details

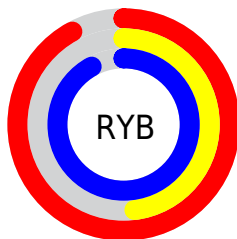
The Yxy color **37.4097, 0.3172, 0.2124** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.0239, 0.3061, 0.4809**, and the grayscale version is **39.1787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **16.4991, 0.3155, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **32.2826, 0.3179, 0.1927**, and if you desaturate by 10%, it is **43.9351, 0.3164, 0.2349**.

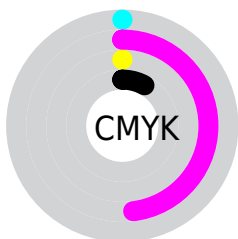
Distribution



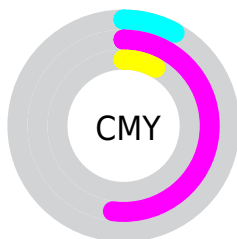
- Red (92%)
- Green (48%)
- Blue (92%)



- Red (92%)
- Yellow (48%)
- Blue (92%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (52%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4097, 0.3172, 0.2124 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 37.4097, 0.3172, 0.2124 by changing the saturation by 10% instead.


 37.4097, 0.3172,
0.2124


 37.4097, 0.3172,
0.2124


335.0809, 0.3172,
0.2662


 25.5249, 0.3166,
0.2004


 71.2025, 0.3176,
0.2309

 16.4685, 0.3156,
0.1857


 93.8792, 0.3177,
0.2381

 9.8563, 0.3138,
0.1676


 120.9220, 0.3177,
0.2444

 5.3038, 0.3105,
0.1447

152.7152, 0.3176,
0.2499

 2.4266, 0.3043,
0.1155

189.6434, 0.3175,
0.2547

 0.8395, 0.2919,
0.0784

232.0907, 0.3174,

 0.0000, 0.2745,

0.2590

0.0000

280.4418, 0.3173,
0.2628

■ 0.0000, 0.0922,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4097, 0.3172,
0.2124

■ 37.4097, 0.3172,
0.2124

■ 32.2826, 0.3179,
0.1927

■ 43.9351, 0.3164,
0.2349

■ 28.4465, 0.3183,
0.1766

■ 51.9459, 0.3155,
0.2591


■ 25.7871, 0.3186,
0.1647


■ 61.5277, 0.3145,
0.2842

■ 24.1673, 0.3187,
0.1571

■ 72.7586, 0.3135,
0.3093


 23.3967, 0.3186,
0.1534


 85.7112, 0.3125,
0.3337

 23.2905, 0.3186,
0.1529

 95.2174, 0.3119,
0.3491

 95.2540, 0.3121,
0.3491

 95.2906, 0.3122,
0.3491

 95.3273, 0.3123,
0.3490

Harmonies

Analogous

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



37.4097, 0.2248, 0.1840



37.4097, 0.3172, 0.2124



37.4097, 0.4258, 0.2630

Triad

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



37.4097, 0.3172, 0.2124



37.4097, 0.4612, 0.4692



37.4097, 0.1529, 0.2853

Complementary

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



37.4097, 0.3172, 0.2124



65.0239, 0.3061, 0.4809

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.



37.4097, 0.1992, 0.4005



37.4097, 0.3172, 0.2124



37.4097, 0.3764, 0.5210

Square

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



37.4097, 0.3172, 0.2124



37.4097, 0.5121, 0.3974



37.4097, 0.2809, 0.5033



37.4097, 0.1439, 0.2125

Rectangle

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



37.4097, 0.3172, 0.2124



37.4097, 0.4838, 0.3049



37.4097, 0.2809, 0.5033



37.4097, 0.1639, 0.3201

Sweetspot

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



37.4114, 0.3172, 0.2124



79.2379, 0.3141, 0.2943



24.5378, 0.2215, 0.1798



16.3527, 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.



37.4114, 0.3172, 0.2124



38.7609, 0.3179, 0.1923



34.9014, 0.3752, 0.2646



15.3064, 0.3137, 0.3058



12.9692, 0.3187, 0.1529



1.0207, 0.3190, 0.1531

Inverse Universe

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



33.0222, 0.4453, 0.3282



32.8886, 0.4914, 0.3282



66.7012, 0.2779, 0.4062



15.0563, 0.3292, 0.3288



9.8334, 0.6391, 0.3294



0.7729, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 37.4097, 0.3172, 0.2124 looks on a white background.

Color Contrast Check

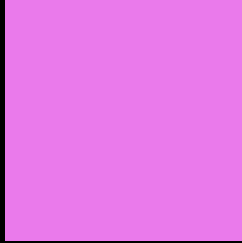
Large Text (above 18pt) WCAG AA × Fail

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 37.4097, 0.3172, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

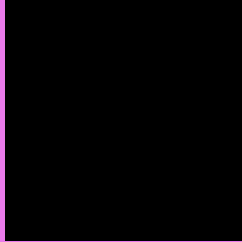
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4097, 0.3172, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 37.4097, 0.3172, 0.2124.

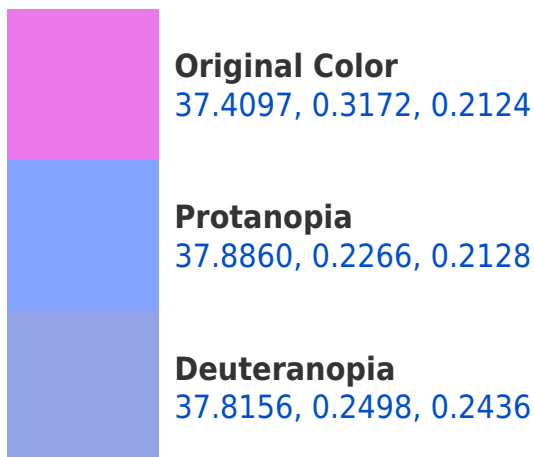


This preview shows how white text looks on a background with the Yxy color 37.4097, 0.3172, 0.2124.

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

37.4603, 0.3904, 0.3173

Trichromacy



Original Color

37.4097, 0.3172, 0.2124



Protanomaly

35.9696, 0.2517, 0.2080



Deuteranomaly

36.2964, 0.2700, 0.2272



Tritanomaly

37.1993, 0.3633, 0.2752

Monochromacy



Original Color

37.4097, 0.3172, 0.2124



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.1455, 0.3152, 0.2766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4097, 0.3172, 0.2124 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, 122, 235)` looks like.

```
.text, #text, p{  
    color:rgb(234, 122, 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, 122, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 122, 235) }
```

Border

The CSS property to change the border of an element to Yxy 37.4097, 0.3172, 0.2124 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, 122, 235) }
```

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

```
.border{ border-color:rgb(234, 122, 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, 122, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 122, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 122, 235);  
box-shadow:4px 4px 4px 4px rgb(234, 122,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4097, 0.3172, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 122, 235) }
```

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

```
.background{ background-color: rgb(234,  
122, 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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