

# Converting Colors

$Y_{xy}(37.0848, 0.3289, 0.2309)$

Have a look what the booklet for  
Yxy(37.0848, 0.3289, 0.2309)  
contains.

<b>Yxy(37.0637, 0.3292, 0.2307)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(37.0637, 0.3292, 0.2307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E67FDA
RGB	230, 127, 218
RGB Percent	90%, 50%, 85%
CMY	0.0979, 0.5021, 0.1450
CMYK	0.00, 0.45, 0.05, 0.10
HSL	307°, 67%, 70%
HSV	307°, 45%, 90%
XYZ	52.8885, 37.0637, 70.7054
YIQ	168.1710, 32.1770, 50.1370

# Conversions

## Conversions Part 2

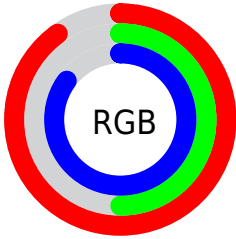
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 127, 218
Decimal	15106010
CIE Lab	67.32, 52.10, -29.53
CIE LCh	67, 59.883, 330.455
Yxy	37.0637, 0.3292, 0.2307
Android (android.graphics.Color)	4293296090 (0xFFE67FDA)
YUV	168.1710, 24.5657, 54.2240
Hunter-Lab	60.8800, 48.5290, -26.2429

# Details

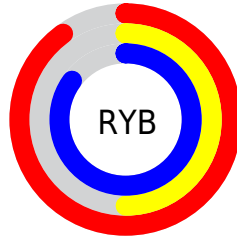
The Yxy color **37.0637, 0.3292, 0.2307** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **62.9914, 0.2999, 0.4529**, and the grayscale version is **39.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **16.1801, 0.3309, 0.2059** is the 20% darker color. If you saturate the color by 10%, you get **31.6483, 0.3337, 0.2116**, and if you desaturate by 10%, it is **43.8410, 0.3249, 0.2518**.

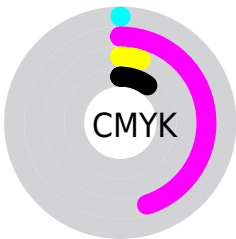
# Distribution



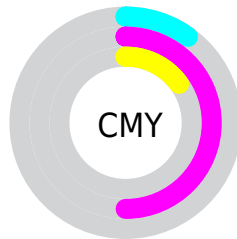
- Red (90%)
- Green (50%)
- Blue (85%)



- Red (90%)
- Yellow (50%)
- Blue (85%)



- Cyan (0%)
- Magenta (45%)
- Yellow (5%)
- Black (10%)




- Cyan (10%)
- Magenta (50%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0637, 0.3292, 0.2307 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 37.0637, 0.3292, 0.2307 by changing the saturation by 10% instead.





 37.0637, 0.3292,  
0.2307


 37.0637, 0.3292,  
0.2307


333.5862, 0.3225,  
0.2772


 25.2568, 0.3304,  
0.2200


 70.6707, 0.3271,  
0.2469

 16.2685, 0.3318,  
0.2067


 93.2397, 0.3262,  
0.2532

 9.7143, 0.3332,  
0.1899


 120.1648, 0.3254,  
0.2586

 5.2100, 0.3344,  
0.1682

151.8304, 0.3247,  
0.2633

 2.3710, 0.3348,  
0.1392

188.6210, 0.3241,  
0.2674

 0.8109, 0.3325,  
0.0997

230.9209, 0.3235,

 0.0000, 0.3365,

0.2710


0.0000

279.1145, 0.3229,  
0.2743

 0.0000, 0.0000,  
0.0000


 37.0637, 0.3292,  
0.2307

 37.0637, 0.3292,  
0.2307


 31.6483, 0.3337,  
0.2116


 43.8410, 0.3249,  
0.2518


 27.4962, 0.3383,  
0.1956


 52.0598, 0.3209,  
0.2741


 24.5036, 0.3428,  
0.1835


 61.7997, 0.3173,  
0.2966

 22.5481, 0.3472,  
0.1757

 73.1329, 0.3141,  
0.3187


 21.4799, 0.3512,  
0.1724

 86.1271, 0.3113,  
0.3399

 21.1511, 0.3532,  
0.1719

 94.2974, 0.3092,  
0.3501

 94.4530, 0.3077,  
0.3474

 94.6110, 0.3062,  
0.3446

 94.7713, 0.3047,  
0.3419

# Harmonies

## Analogous

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



37.0637, 0.2451, 0.2021



37.0637, 0.3292, 0.2307



37.0637, 0.4208, 0.2787

# Triad

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



37.0637, 0.3292, 0.2307



37.0637, 0.4377, 0.4624



37.0637, 0.1690, 0.2831

# Complementary

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



37.0637, 0.3292, 0.2307



62.9914, 0.2999, 0.4529

# 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.



37.0637, 0.2075, 0.3774



37.0637, 0.3292, 0.2307



37.0637, 0.3618, 0.4961

# Square

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



37.0637, 0.3292, 0.2307



37.0637, 0.4845, 0.4022



37.0637, 0.2776, 0.4673



37.0637, 0.1637, 0.2227



# Rectangle

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



37.0637, 0.3292, 0.2307



37.0637, 0.4667, 0.3177



37.0637, 0.2776, 0.4673



37.0637, 0.1780, 0.3117

# Sweetspot

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



37.0654, 0.3292, 0.2307



80.3962, 0.3167, 0.3005



26.3774, 0.2371, 0.1923



16.5705, 0.3175, 0.2955



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.



37.0654, 0.3292, 0.2307



40.2805, 0.3335, 0.2125



34.7737, 0.3851, 0.2839



14.5847, 0.3156, 0.3085



11.9815, 0.3526, 0.1716



0.8936, 0.3474, 0.1687



# Inverse Universe

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



37.0654, 0.3292, 0.2307



40.2805, 0.3335, 0.2125



64.8682, 0.2724, 0.3807



14.5847, 0.3156, 0.3085



11.9815, 0.3526, 0.1716



0.8936, 0.3474, 0.1687



# Previews

## White Background



This preview shows how the Yxy color 37.0637, 0.3292, 0.2307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

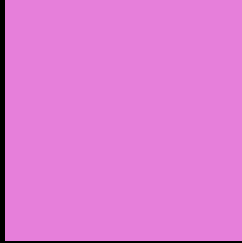
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0637, 0.3292, 0.2307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

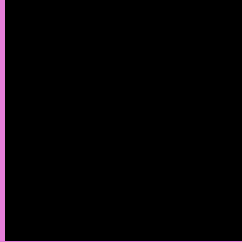
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.0637, 0.3292, 0.2307**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0637, 0.3292, 0.2307.



This preview shows how white text looks on a background with the Yxy color 37.0637, 0.3292, 0.2307.

# 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

37.0637, 0.3292, 0.2307

### Protanopia

37.6675, 0.2343, 0.2232

### Deuteranopia

37.2118, 0.2671, 0.2606



## Tritanopia

36.8463, 0.3887, 0.3160

# Trichromacy



## Original Color

37.0637, 0.3292, 0.2307



## Protanomaly

36.0391, 0.2618, 0.2229



## Deuteranomaly

36.2950, 0.2872, 0.2471



## Tritanomaly

36.7505, 0.3666, 0.2825

# Monochromacy



## Original Color

37.0637, 0.3292, 0.2307



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.4040, 0.3196, 0.2864

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0637, 0.3292, 0.2307 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, 127, 218)` looks like.

```
.text, #text, p{  
    color:rgb(230, 127, 218)  
}
```

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, 127, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 127, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0637, 0.3292, 0.2307 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, 127, 218) }
```

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

```
.border{ border-color:rgb(230, 127, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 127, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 127, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 127, 218);  
box-shadow:4px 4px 4px 4px rgb(230, 127,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0637, 0.3292, 0.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 127, 218) }
```

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

```
.background{ background-color: rgb(230,  
127, 218) }
```

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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