

Converting Colors

$Y_{xy}(36.9897, 0.3284, 0.2253)$

Have a look what the booklet for
Yxy(36.9897, 0.3284, 0.2253)
contains.

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Color

Yxy(37.0129, 0.3284, 0.2251)

Conversions

Conversions Part 1

Format	Color
Hex	E97CDE
RGB	233, 124, 222
RGB Percent	91%, 49%, 87%
CMY	0.0863, 0.5137, 0.1293
CMYK	0.00, 0.47, 0.05, 0.09
HSL	306°, 71%, 70%
HSV	306°, 47%, 91%
XYZ	53.9984, 37.0129, 73.4174
YIQ	167.7630, 33.5060, 53.5860

Conversions

Conversions Part 2

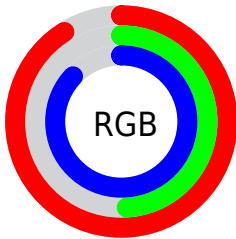
Format	Color
R _Y B	233, 124, 222
Decimal	15301854
CIE _{Lab}	67.29, 55.12, -31.78
CIE _{LCh}	67, 63.623, 330.032
Yxy	37.0129, 0.3284, 0.2251
Android (android.graphics.Color)	4293491934 (0xFFE97CDE)
YUV	167.7630, 26.7388, 57.2128
Hunter-Lab	60.8382, 51.9649, -28.9623

Details

The Yxy color **37.0129, 0.3284, 0.2251** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **64.3122, 0.3003, 0.4618**, and the grayscale version is **38.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **16.2843, 0.3297, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **31.7233, 0.3324, 0.2063**, and if you desaturate by 10%, it is **43.6871, 0.3245, 0.2462**.

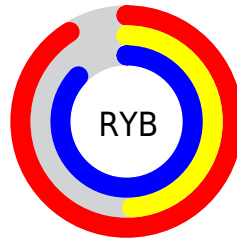
Distribution



Red (91%)

Green (49%)

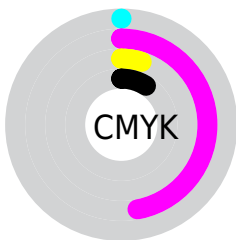
Blue (87%)



Red (91%)

Yellow (49%)

Blue (87%)

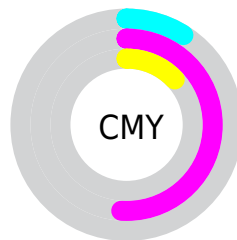


Cyan (0%)

Magenta (47%)

Yellow (5%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0129, 0.3284, 0.2251 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 37.0129, 0.3284, 0.2251 by changing the saturation by 10% instead.


 37.0129, 0.3284,
0.2251


 37.0129, 0.3284,
0.2251


333.3664, 0.3223,
0.2739


 25.2175, 0.3294,
0.2139


 70.5926, 0.3266,
0.2421

 16.2392, 0.3305,
0.2002


 93.1457, 0.3258,
0.2487

 9.6935, 0.3315,
0.1829


 120.0535, 0.3250,
0.2543

 5.1962, 0.3321,
0.1607

151.7003, 0.3244,
0.2593

 2.3629, 0.3314,
0.1315

188.4707, 0.3238,
0.2636

 0.8067, 0.3274,
0.0924

230.7488, 0.3232,

 0.0000, 0.3265,

0.2674

0.0000

278.9193, 0.3227,
0.2708

■ 0.0000, 0.0112,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0129, 0.3284,
0.2251

■ 37.0129, 0.3284,
0.2251

■ 31.7233, 0.3324,
0.2063

■ 43.6871, 0.3245,
0.2462

■ 27.7145, 0.3364,
0.1909


■ 51.8299, 0.3209,
0.2686

■ 24.8766, 0.3403,
0.1794


■ 61.5246, 0.3176,
0.2915


■ 23.0786, 0.3440,
0.1724

■ 72.8467, 0.3146,
0.3141


 22.1537, 0.3474,
0.1697


 85.8670, 0.3119,
0.3359

 21.9531, 0.3485,
0.1693

 94.9059, 0.3099,
0.3480

 95.0434, 0.3086,
0.3456

 95.1826, 0.3072,
0.3432

 95.3237, 0.3059,
0.3408

Harmonies

Analogous

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



37.0129, 0.2400, 0.1957



37.0129, 0.3284, 0.2251



37.0129, 0.4262, 0.2748

Triad

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



37.0129, 0.3284, 0.2251



37.0129, 0.4444, 0.4677



37.0129, 0.1619, 0.2807

Complementary

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



37.0129, 0.3284, 0.2251



64.3122, 0.3003, 0.4618

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.



37.0129, 0.2021, 0.3818



37.0129, 0.3284, 0.2251



37.0129, 0.3643, 0.5065

Square

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



37.0129, 0.3284, 0.2251



37.0129, 0.4942, 0.4031



37.0129, 0.2757, 0.4783



37.0129, 0.1563, 0.2171

Rectangle

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



37.0129, 0.3284, 0.2251



37.0129, 0.4754, 0.3151



37.0129, 0.2757, 0.4783



37.0129, 0.1712, 0.3111

Sweetspot

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



37.0146, 0.3284, 0.2251



79.0702, 0.3167, 0.2977



25.4420, 0.2317, 0.1848



16.3113, 0.3174, 0.2927



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.



37.0146, 0.3284, 0.2251



39.2202, 0.3322, 0.2072



34.5520, 0.3877, 0.2800



15.2861, 0.3153, 0.3081



12.4672, 0.3480, 0.1691



0.9866, 0.3438, 0.1667

Inverse Universe

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



37.0146, 0.3284, 0.2251



39.2202, 0.3322, 0.2072



66.2550, 0.2720, 0.3860



15.2861, 0.3153, 0.3081



12.4672, 0.3480, 0.1691



0.9866, 0.3438, 0.1667

Previews

White Background



This preview shows how the Yxy color 37.0129, 0.3284, 0.2251 looks on a white background.

Color Contrast Check

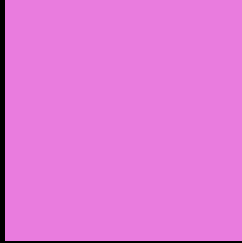
Large Text (above 18pt) WCAG AA × Fail

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 37.0129, 0.3284, 0.2251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

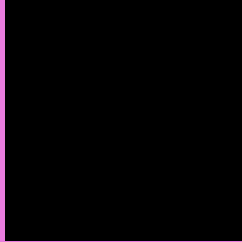
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0129, 0.3284, 0.2251

Background



This preview shows how black text looks on a background with the Yxy color 37.0129, 0.3284, 0.2251.



This preview shows how white text looks on a background with the Yxy color 37.0129, 0.3284, 0.2251.

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

37.0129, 0.3284, 0.2251

Protanopia

37.4235, 0.2283, 0.2145

Deuteranopia

37.0714, 0.2627, 0.2566



Tritanopia

36.8378, 0.3922, 0.3161

Trichromacy



Original Color

37.0129, 0.3284, 0.2251



Protanomaly

35.9657, 0.2569, 0.2158



Deuteranomaly

36.0655, 0.2831, 0.2414



Tritanomaly

36.5554, 0.3680, 0.2795

Monochromacy



Original Color

37.0129, 0.3284, 0.2251



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.2938, 0.3188, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0129, 0.3284, 0.2251 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, 124, 222)` looks like.

```
.text, #text, p{  
    color:rgb(233, 124, 222)  
}
```

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, 124, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 124, 222) }
```

Border

The CSS property to change the border of an element to Yxy 37.0129, 0.3284, 0.2251 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, 124, 222) }
```

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

```
.border{ border-color:rgb(233, 124, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 124, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 124, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 124, 222);  
box-shadow:4px 4px 4px 4px rgb(233, 124,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0129, 0.3284, 0.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 124, 222) }
```

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

```
.background{ background-color: rgb(233,  
124, 222) }
```

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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