

Converting Colors

$Y_{xy}(37.5693, 0.3309, 0.2274)$

Have a look what the booklet for
Yxy(37.5693, 0.3309, 0.2274)
contains.

Yxy(37.5499, 0.3312, 0.2276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.5499, 0.3312, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	EB7DDD
RGB	235, 125, 221
RGB Percent	92%, 49%, 87%
CMY	0.0785, 0.5097, 0.1332
CMYK	0.00, 0.47, 0.06, 0.08
HSL	308°, 73%, 71%
HSV	308°, 47%, 92%
XYZ	54.6420, 37.5499, 72.7901
YIQ	168.8340, 34.7440, 53.1760

Conversions

Conversions Part 2

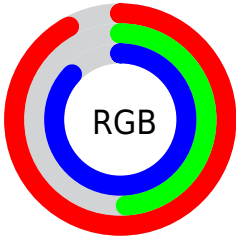
Format	Color
R _Y B	235, 125, 221
Decimal	15433181
CIE Lab	67.69, 55.03, -30.59
CIE LCh	68, 62.959, 330.932
Yxy	37.5499, 0.3312, 0.2276
Android (android.graphics.Color)	4293623261 (0xFFEB7DDD)
YUV	168.8340, 25.7178, 58.0276
Hunter-Lab	61.2780, 51.9334, -27.5340

Details

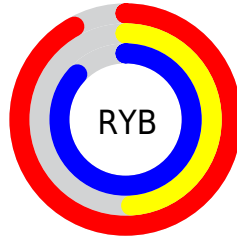
The Yxy color **37.5499, 0.3312, 0.2276** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.6278, 0.2989, 0.4581**, and the grayscale version is **39.4501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **16.6068, 0.3337, 0.2032** is the 20% darker color. If you saturate the color by 10%, you get **32.1310, 0.3361, 0.2092**, and if you desaturate by 10%, it is **44.3822, 0.3266, 0.2483**.

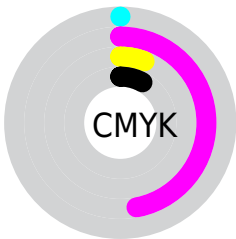
Distribution



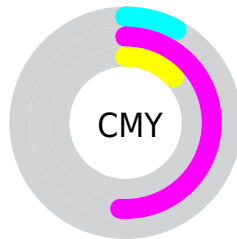
- Red (92%)
- Green (49%)
- Blue (87%)



- Red (92%)
- Yellow (49%)
- Blue (87%)



- Cyan (0%)
- Magenta (47%)
- Yellow (6%)
- Black (8%)





- Cyan (8%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5499, 0.3312, 0.2276 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 37.5499, 0.3312, 0.2276 by changing the saturation by 10% instead.


 37.5499, 0.3312,
0.2276


 37.5499, 0.3312,
0.2276


335.6852, 0.3236,
0.2752

 25.6335, 0.3326,
0.2167


 71.4177, 0.3288,
0.2442

 16.5497, 0.3342,
0.2032


 94.1380, 0.3278,
0.2506

 9.9140, 0.3359,
0.1863


 121.2283, 0.3269,
0.2561

 5.3419, 0.3374,
0.1645

153.0732, 0.3261,
0.2610

 2.4493, 0.3383,
0.1358

190.0569, 0.3254,
0.2652

 0.8511, 0.3367,
0.0971

232.5638, 0.3247,

 0.0000, 0.3423,

0.2689

0.0000

280.9785, 0.3241,
0.2722

■ 0.0000, 0.0681,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5499, 0.3312,
0.2276

■ 37.5499, 0.3312,
0.2276

■ 32.1310, 0.3361,
0.2092

■ 44.3822, 0.3266,
0.2483

■ 28.0195, 0.3411,
0.1940


■ 52.7136, 0.3222,
0.2702


■ 25.1030, 0.3460,
0.1829


■ 62.6291, 0.3183,
0.2925

■ 23.2478, 0.3506,
0.1762

■ 74.2060, 0.3148,
0.3145


 22.2834, 0.3550,
0.1739

 87.5163, 0.3118,
0.3357

 22.0736, 0.3564,
0.1737

 95.4051, 0.3095,
0.3451

 95.5827, 0.3078,
0.3420

 95.7632, 0.3062,
0.3390

 95.9467, 0.3045,
0.3361

Harmonies

Analogous

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



37.5499, 0.2433, 0.1978



37.5499, 0.3312, 0.2276



37.5499, 0.4271, 0.2773

Triad

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



37.5499, 0.3312, 0.2276



37.5499, 0.4409, 0.4678



37.5499, 0.1631, 0.2791

Complementary

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



37.5499, 0.3312, 0.2276



65.6278, 0.2989, 0.4581

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.



37.5499, 0.2020, 0.3778



37.5499, 0.3312, 0.2276



37.5499, 0.3614, 0.5041

Square

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



37.5499, 0.3312, 0.2276



37.5499, 0.4910, 0.4047



37.5499, 0.2740, 0.4737



37.5499, 0.1584, 0.2175

Rectangle

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



37.5499, 0.3312, 0.2276



37.5499, 0.4747, 0.3175



37.5499, 0.2740, 0.4737



37.5499, 0.1721, 0.3088

Sweetspot

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



37.5516, 0.3312, 0.2276



79.0114, 0.3173, 0.2986



26.0588, 0.2330, 0.1852



16.2968, 0.3181, 0.2937



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.



37.5516, 0.3312, 0.2276



38.9999, 0.3358, 0.2101



35.1262, 0.3900, 0.2820



15.2790, 0.3157, 0.3087



12.3010, 0.3557, 0.1733



0.9751, 0.3502, 0.1703

Inverse Universe

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



37.5516, 0.3312, 0.2276



38.9999, 0.3358, 0.2101



67.6070, 0.2710, 0.3836



15.2790, 0.3157, 0.3087



12.3010, 0.3557, 0.1733



0.9751, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 37.5499, 0.3312, 0.2276 looks on a white background.

Color Contrast Check

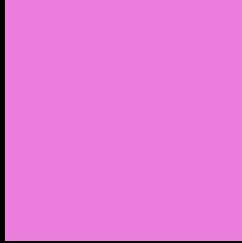
Large Text (above 18pt) WCAG AA × Fail

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 37.5499, 0.3312, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

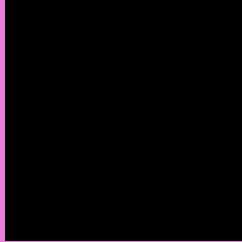
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5499, 0.3312, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 37.5499, 0.3312, 0.2276.

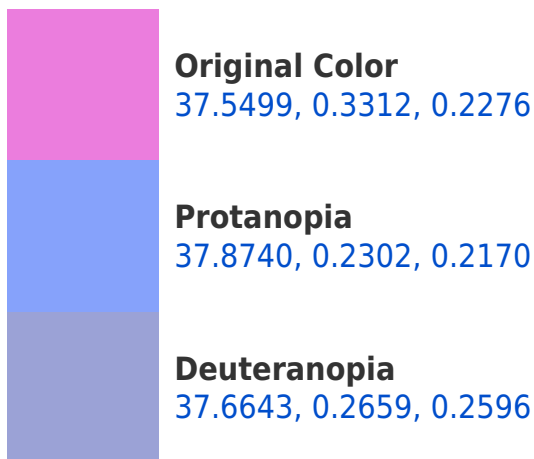


This preview shows how white text looks on a background with the Yxy color 37.5499, 0.3312, 0.2276.

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

37.6150, 0.3949, 0.3175

Trichromacy



Original Color

37.5499, 0.3312, 0.2276



Protanomaly

36.4441, 0.2592, 0.2184



Deuteranomaly

36.6950, 0.2866, 0.2443



Tritanomaly

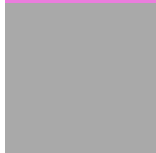
37.2855, 0.3719, 0.2823

Monochromacy



Original Color

37.5499, 0.3312, 0.2276



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7508, 0.3196, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5499, 0.3312, 0.2276 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(235, 125, 221)` looks like.

```
.text, #text, p{  
    color:rgb(235, 125, 221)  
}
```

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(235, 125, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 125, 221) }
```

Border

The CSS property to change the border of an element to Yxy 37.5499, 0.3312, 0.2276 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(235, 125, 221) }
```

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

```
.border{ border-color:rgb(235, 125, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 125, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 125, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 125, 221);  
box-shadow:4px 4px 4px 4px rgb(235, 125,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5499, 0.3312, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 125, 221) }
```

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

```
.background{ background-color: rgb(235,  
125, 221) }
```

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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