

Converting Colors

$Y_{xy}(37.0994, 0.3156, 0.2110)$

Have a look what the booklet for
Yxy(37.0994, 0.3156, 0.2110)
contains.

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Color

Yxy(37.0545, 0.3154, 0.2103)

Conversions

Conversions Part 1

Format	Color
Hex	E979EC
RGB	233, 121, 236
RGB Percent	91%, 47%, 93%
CMY	0.0864, 0.5254, 0.0746
CMYK	0.01, 0.49, 0.00, 0.07
HSL	298°, 75%, 70%
HSV	298°, 49%, 93%
XYZ	55.5729, 37.0545, 83.5708
YIQ	167.5980, 29.8370, 59.5090

Conversions

Conversions Part 2

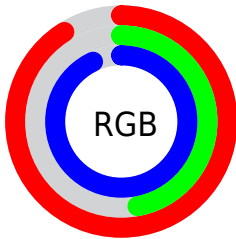
Format	Color
R _Y B	233, 121, 236
Decimal	15301100
CIE Lab	67.32, 58.97, -39.47
CIE LCh	67, 70.957, 326.208
Yxy	37.0545, 0.3154, 0.2103
Android (android.graphics.Color)	4293491180 (0xFFE979EC)
YUV	167.5980, 33.7222, 57.3576
Hunter-Lab	60.8724, 56.4333, -38.7877

Details

The Yxy color **37.0545, 0.3154, 0.2103** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.6542, 0.3071, 0.4828**, and the grayscale version is **38.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **16.3057, 0.3130, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **31.8993, 0.3156, 0.1905**, and if you desaturate by 10%, it is **43.6161, 0.3151, 0.2329**.

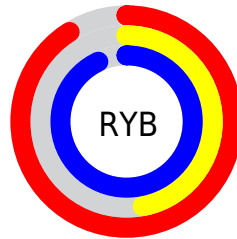
Distribution



Red (91%)

Green (47%)

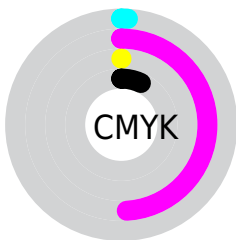
Blue (93%)



Red (91%)

Yellow (47%)

Blue (93%)

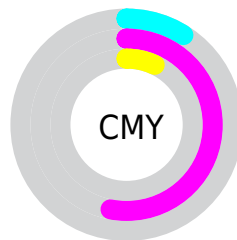


Cyan (1%)

Magenta (49%)

Yellow (0%)

Black (7%)



Cyan (9%)


Magenta (53%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0545, 0.3154, 0.2103 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 37.0545, 0.3154, 0.2103 by changing the saturation by 10% instead.


 37.0545, 0.3154,
0.2103


 37.0545, 0.3154,
0.2103


333.5464, 0.3164,
0.2650


 25.2497, 0.3146,
0.1981


 70.6566, 0.3162,
0.2291

 16.2632, 0.3132,
0.1832


 93.2227, 0.3164,
0.2365

 9.7106, 0.3109,
0.1649


 120.1446, 0.3165,
0.2428

 5.2075, 0.3070,
0.1418

151.8069, 0.3165,
0.2484

 2.3695, 0.2999,
0.1124

188.5938, 0.3165,
0.2533

 0.8101, 0.2862,
0.0752

230.8897, 0.3165,

 0.0000, 0.2657,

0.2577

0.0000

279.0791, 0.3164,
0.2615

■ 0.0000, 0.0772,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0545, 0.3154,
0.2103

■ 37.0545, 0.3154,
0.2103

■ 31.8993, 0.3156,
0.1905

■ 43.6161, 0.3151,
0.2329

■ 28.0415, 0.3155,
0.1743


■ 51.6728, 0.3146,
0.2573

■ 25.3642, 0.3153,
0.1623


■ 61.3117, 0.3140,
0.2825

■ 23.7272, 0.3149,
0.1547


■ 72.6120, 0.3133,
0.3076

 22.9232, 0.3144,
0.1509


 85.6473, 0.3126,
0.3321

 22.8441, 0.3143,
0.1505

 95.5263, 0.3123,
0.3480

 95.6330, 0.3126,
0.3480

 95.7400, 0.3130,
0.3479

 95.8474, 0.3134,
0.3479

Harmonies

Analogous

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



37.0545, 0.2223, 0.1820



37.0545, 0.3154, 0.2103



37.0545, 0.4258, 0.2611

Triad

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



37.0545, 0.3154, 0.2103



37.0545, 0.4639, 0.4694



37.0545, 0.1513, 0.2859

Complementary

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



37.0545, 0.3154, 0.2103



65.6542, 0.3071, 0.4828

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.



37.0545, 0.1985, 0.4036



37.0545, 0.3154, 0.2103



37.0545, 0.3783, 0.5234

Square

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



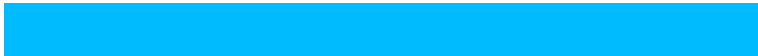
37.0545, 0.3154, 0.2103



37.0545, 0.5152, 0.3964



37.0545, 0.2816, 0.5075



37.0545, 0.1418, 0.2116

Rectangle

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



37.0545, 0.3154, 0.2103



37.0545, 0.4853, 0.3032



37.0545, 0.2816, 0.5075



37.0545, 0.1626, 0.3216

Sweetspot

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



37.0561, 0.3154, 0.2103



77.7869, 0.3138, 0.2917



24.7549, 0.2205, 0.1799



16.0613, 0.3139, 0.2863



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.



37.0561, 0.3154, 0.2103



38.2872, 0.3156, 0.1913



34.9045, 0.3742, 0.2617



15.2924, 0.3134, 0.3058



12.6029, 0.3144, 0.1506



0.9960, 0.3153, 0.1511

Inverse Universe

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



32.9694, 0.4457, 0.3261



32.9436, 0.4883, 0.3258



67.1339, 0.2785, 0.4102



15.0605, 0.3289, 0.3284



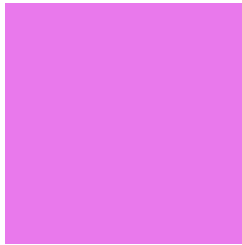
9.8402, 0.6372, 0.3284



0.7750, 0.6295, 0.3242

Previews

White Background



This preview shows how the Yxy color 37.0545, 0.3154, 0.2103 looks on a white background.

Color Contrast Check

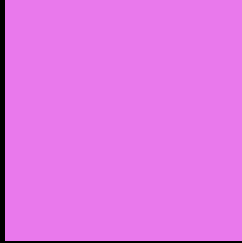
Large Text (above 18pt) WCAG AA × Fail

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 37.0545, 0.3154, 0.2103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

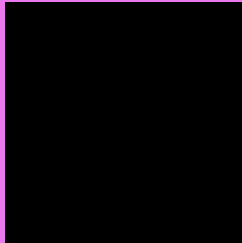
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0545, 0.3154, 0.2103

Background



This preview shows how black text looks on a background with the Yxy color 37.0545, 0.3154, 0.2103.

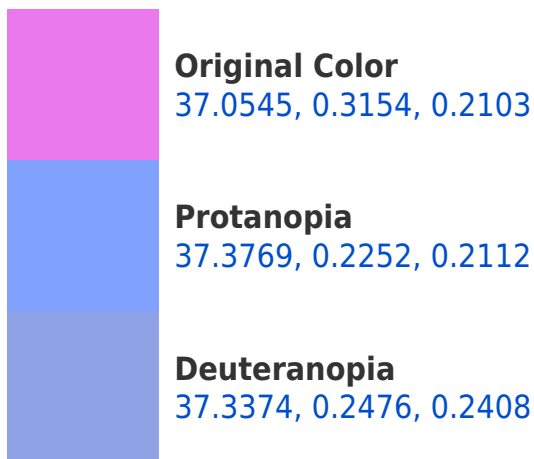


This preview shows how white text looks on a background with the Yxy color 37.0545, 0.3154, 0.2103.

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

36.8463, 0.3887, 0.3160

Trichromacy



Original Color

37.0545, 0.3154, 0.2103



Protanomaly

35.5506, 0.2508, 0.2066



Deuteranomaly

35.9237, 0.2684, 0.2247



Tritanomaly

36.6378, 0.3604, 0.2726

Monochromacy



Original Color

37.0545, 0.3154, 0.2103



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.1899, 0.3143, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0545, 0.3154, 0.2103 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, 121, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 121, 236)  
}
```

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, 121, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 121, 236) }
```

Border

The CSS property to change the border of an element to Yxy 37.0545, 0.3154, 0.2103 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, 121, 236) }
```

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

```
.border{ border-color:rgb(233, 121, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 121, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 121, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 121, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 121,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0545, 0.3154, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 121, 236) }
```

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

```
.background{ background-color: rgb(233,  
121, 236) }
```

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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