

# Converting Colors

$Y_{xy}(30.0777, 0.3539, 0.2155)$

Have a look what the booklet for  
Yxy(30.0777, 0.3539, 0.2155)  
contains.

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**Color**

**Yxy(30.0212, 0.3535, 0.2148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC5DCC
RGB	236, 93, 204
RGB Percent	93%, 36%, 80%
CMY	0.0745, 0.6353, 0.1999
CMYK	0.00, 0.61, 0.14, 0.07
HSL	313°, 79%, 65%
HSV	313°, 61%, 93%
XYZ	49.4064, 30.0212, 60.3359
YIQ	148.4110, 49.5970, 64.8370

# Conversions

## Conversions Part 2

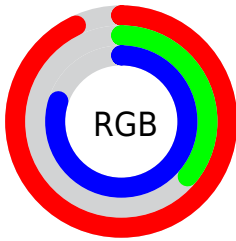
Format	Color
R <sub>YB</sub>	236, 93, 204
Decimal	15490508
CIE <sub>Lab</sub>	61.67, 67.23, -30.36
CIE <sub>LCh</sub>	62, 73.764, 335.699
Yxy	30.0212, 0.3535, 0.2148
Android (android.graphics.Color)	4293680588 (0xFFEC5DCC)
YUV	148.4110, 27.4054, 76.8156
Hunter-Lab	54.7916, 65.0708, -26.9354

# Details

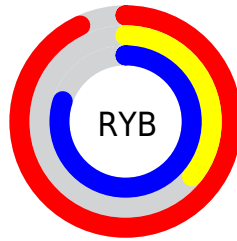
The Yxy color **30.0212, 0.3535, 0.2148** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **63.7943, 0.2901, 0.4844**, and the grayscale version is **29.6644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2927, 0.3175, 0.2275**, and **12.3009, 0.3640, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **26.2504, 0.3624, 0.2023**, and if you desaturate by 10%, it is **35.0813, 0.3449, 0.2307**.

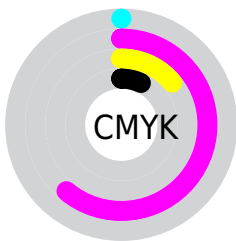
# Distribution



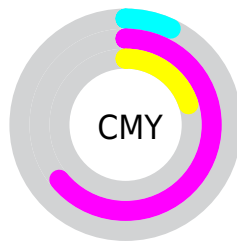
- Red (93%)
- Green (36%)
- Blue (80%)



- Red (93%)
- Yellow (36%)
- Blue (80%)



- Cyan (0%)
- Magenta (61%)
- Yellow (14%)
- Black (7%)




- Cyan (7%)
- Magenta (64%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0212, 0.3535, 0.2148 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 30.0212, 0.3535, 0.2148 by changing the saturation by 10% instead.





 30.0212, 0.3535,  
0.2148

 30.0212, 0.3535,  
0.2148


302.0033, 0.3345,  
0.2695


 19.8547, 0.3577,  
0.2020


 59.6957, 0.3470,  
0.2341


 12.2895, 0.3629,  
0.1862


 79.9725, 0.3444,  
0.2415

 6.9411, 0.3692,  
0.1662


 104.3881, 0.3422,  
0.2478

 3.4253, 0.3770,  
0.1403

 133.3270, 0.3403,  
0.2533

 1.3576, 0.3864,  
0.1063

167.1736, 0.3386,  
0.2581

 0.1852, 0.4084,  
0.0337

206.3122, 0.3371,

 0.0000, 0.4043,

0.2624

0.0000

251.1273, 0.3357,  
0.2662

0.0000, 0.0000,  
0.0000

30.0212, 0.3535,  
0.2148

30.0212, 0.3535,  
0.2148

26.2504, 0.3624,  
0.2023

35.0813, 0.3449,  
0.2307

23.6424, 0.3714,  
0.1941

41.5327, 0.3370,  
0.2490

22.0532, 0.3802,  
0.1907


49.4724, 0.3298,  
0.2686


21.2605, 0.3882,  
0.1912

58.9874, 0.3234,  
0.2888

70.1579, 0.3178,  
0.3087

 83.0587, 0.3130,  
0.3279

 95.7000, 0.3090,  
0.3430

 96.0198, 0.3060,  
0.3377

 96.3488, 0.3031,  
0.3324

# Harmonies

## Analogous

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



30.0212, 0.2411, 0.1765



30.0212, 0.3535, 0.2148



30.0212, 0.4729, 0.2745

# Triad

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



30.0212, 0.3535, 0.2148



30.0212, 0.4470, 0.5025



30.0212, 0.1303, 0.2476

# Complementary

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



30.0212, 0.3535, 0.2148



63.7943, 0.2901, 0.4844

# 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.



30.0212, 0.1657, 0.3663



30.0212, 0.3535, 0.2148



30.0212, 0.3470, 0.5516

# Square

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



30.0212, 0.3535, 0.2148



30.0212, 0.5208, 0.4224



30.0212, 0.2440, 0.5028



30.0212, 0.1322, 0.1850



# Rectangle

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



30.0212, 0.3535, 0.2148



30.0212, 0.5251, 0.3209



30.0212, 0.2440, 0.5028



30.0212, 0.1375, 0.2809

# Sweetspot

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



30.0226, 0.3535, 0.2148



73.4867, 0.3219, 0.2938



18.1698, 0.2156, 0.1431



14.9458, 0.3236, 0.2879



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.



30.0226, 0.3535, 0.2148



30.3216, 0.3649, 0.1996



27.3694, 0.4477, 0.2864



15.2528, 0.3172, 0.3109



11.7404, 0.3869, 0.1905



0.9360, 0.3759, 0.1844



# Inverse Universe

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



30.0226, 0.3535, 0.2148



30.3216, 0.3649, 0.1996



66.2763, 0.2566, 0.3830



15.2528, 0.3172, 0.3109



11.7404, 0.3869, 0.1905



0.9360, 0.3759, 0.1844



# Previews

## White Background



This preview shows how the Yxy color 30.0212, 0.3535, 0.2148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

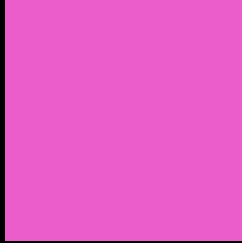
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0212, 0.3535, 0.2148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

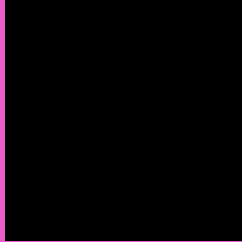
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0212, 0.3535, 0.2148**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0212, 0.3535, 0.2148.

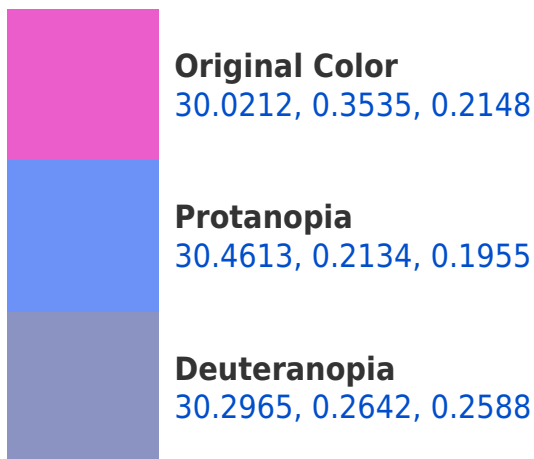


This preview shows how white text looks on a background with the Yxy color 30.0212, 0.3535, 0.2148.

# 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

29.9337, 0.4443, 0.3203

# Trichromacy



## Original Color

30.0212, 0.3535, 0.2148



## Protanomaly

27.9168, 0.2492, 0.1958



## Deuteranomaly

28.2546, 0.2924, 0.2344



## Tritanomaly

29.5640, 0.4113, 0.2777

# Monochromacy



## Original Color

30.0212, 0.3535, 0.2148



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

27.9688, 0.3287, 0.2735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0212, 0.3535, 0.2148 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(236, 93, 204)` looks like.

```
.text, #text, p{  
    color:rgb(236, 93, 204)  
}
```

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(236, 93, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 93, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0212, 0.3535, 0.2148 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(236, 93, 204) }
```

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

```
.border{ border-color:rgb(236, 93, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 93, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 93, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 93, 204);  
box-shadow:4px 4px 4px 4px rgb(236, 93,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0212, 0.3535, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 93, 204) }
```

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

```
.background{ background-color: rgb(236, 93,  
204) }
```

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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