

# Converting Colors

$Y_{xy}(30.1753, 0.3609, 0.2452)$

Have a look what the booklet for  
Yxy(30.1753, 0.3609, 0.2452)  
contains.

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**Color**

**Yxy(30.1004, 0.3608, 0.2455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE6EB7
RGB	222, 110, 183
RGB Percent	87%, 43%, 72%
CMY	0.1296, 0.5685, 0.2824
CMYK	0.00, 0.50, 0.18, 0.13
HSL	321°, 63%, 65%
HSV	321°, 50%, 87%
XYZ	44.2372, 30.1004, 48.2710
YIQ	151.8100, 43.3190, 46.4470

# Conversions

## Conversions Part 2

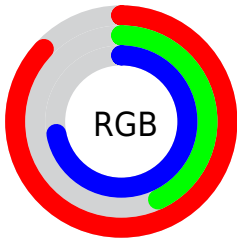
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 110, 183
Decimal	14577335
CIE Lab	61.74, 52.39, -18.46
CIE LCh	62, 55.552, 340.586
Yxy	30.1004, 0.3608, 0.2455
Android (android.graphics.Color)	4292767415 (0xFFDE6EB7)
YUV	151.8100, 15.3767, 61.5566
Hunter-Lab	54.8638, 47.9143, -13.7606

# Details

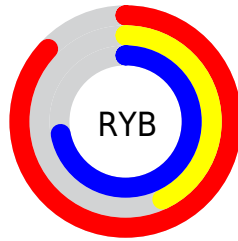
The Yxy color **30.1004, 0.3608, 0.2455** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.7093, 0.2850, 0.4331**, and the grayscale version is **31.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4023, 0.3297, 0.2552**, and **12.3326, 0.3740, 0.2222** is the 20% darker color. If you saturate the color by 10%, you get **25.5822, 0.3746, 0.2318**, and if you desaturate by 10%, it is **35.8386, 0.3483, 0.2613**.

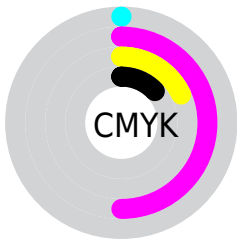
# Distribution



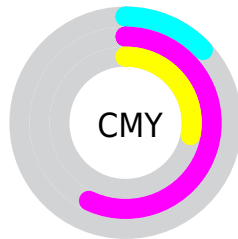
- Red (87%)
- Green (43%)
- Blue (72%)



- Red (87%)
- Yellow (43%)
- Blue (72%)



- Cyan (0%)
- Magenta (50%)
- Yellow (18%)
- Black (13%)



- Cyan (13%)
- Magenta (57%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1004, 0.3608, 0.2455 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 30.1004, 0.3608, 0.2455 by changing the saturation by 10% instead.





 30.1004, 0.3608,  
0.2455


 30.1004, 0.3608,  
0.2455


302.3722, 0.3366,  
0.2871


 19.9148, 0.3669,  
0.2353


 59.8209, 0.3520,  
0.2605


 12.3331, 0.3747,  
0.2222


 80.1246, 0.3487,  
0.2662

 6.9710, 0.3850,  
0.2051


 104.5698, 0.3459,  
0.2710

 3.4440, 0.3993,  
0.1818

 133.5409, 0.3435,  
0.2751

 1.3677, 0.4203,  
0.1487

167.4223, 0.3414,  
0.2787

 0.1927, 0.4749,  
0.0562

206.5984, 0.3396,


 0.0000, 0.5812,

0.2818

0.0000


251.4535, 0.3380,  
0.2846


 0.0000, 0.0000,  
0.0000

 30.1004, 0.3608,  
0.2455


 30.1004, 0.3608,  
0.2455


 25.5822, 0.3746,  
0.2318

 35.8386, 0.3483,  
0.2613


 22.1882, 0.3895,  
0.2212


 42.8747, 0.3374,  
0.2782


 19.8151, 0.4050,  
0.2150

 51.2849, 0.3279,  
0.2954

 18.3384, 0.4204,  
0.2138

 61.1386, 0.3198,  
0.3122

 17.5575, 0.4348,  
0.2169

 72.5002, 0.3130,  
0.3283

■ 85.4304, 0.3073,  
0.3435

■ 93.1631, 0.3026,  
0.3473

■ 93.6249, 0.2984,  
0.3393

■ 94.1064, 0.2942,  
0.3314

# Harmonies

## Analogous

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



30.1004, 0.2711, 0.2098



30.1004, 0.3608, 0.2455



30.1004, 0.4458, 0.2982

# Triad

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



30.1004, 0.3608, 0.2455



30.1004, 0.4139, 0.4778



30.1004, 0.1643, 0.2589

# Complementary

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



30.1004, 0.3608, 0.2455



57.7093, 0.2850, 0.4331

# 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.



30.1004, 0.1913, 0.3431



30.1004, 0.3608, 0.2455



30.1004, 0.3332, 0.4938

# Square

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



30.1004, 0.3608, 0.2455



30.1004, 0.4726, 0.4233



30.1004, 0.2516, 0.4408



30.1004, 0.1695, 0.2113



# Rectangle

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



30.1004, 0.3608, 0.2455



30.1004, 0.4802, 0.3386



30.1004, 0.2516, 0.4408



30.1004, 0.1695, 0.2831

# Sweetspot

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



30.1018, 0.3608, 0.2455



77.1486, 0.3234, 0.3044



22.6670, 0.2461, 0.1808



15.9064, 0.3252, 0.3008



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.



30.1018, 0.3608, 0.2455



34.4785, 0.3761, 0.2305



28.2603, 0.4312, 0.3074



13.8503, 0.3191, 0.3138



10.4548, 0.4327, 0.2157



0.7414, 0.4111, 0.2038



# Inverse Universe

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



30.1018, 0.3608, 0.2455



34.4785, 0.3761, 0.2305



59.8654, 0.2563, 0.3538



13.8503, 0.3191, 0.3138



10.4548, 0.4327, 0.2157



0.7414, 0.4111, 0.2038



# Previews

## White Background



This preview shows how the Yxy color 30.1004, 0.3608, 0.2455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

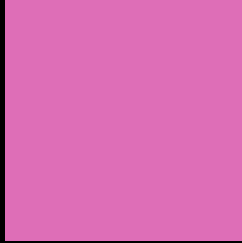
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.1004, 0.3608, 0.2455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

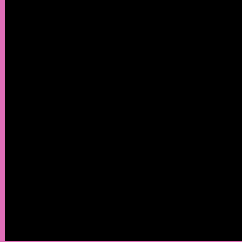
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.1004, 0.3608, 0.2455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.1004, 0.3608, 0.2455.



This preview shows how white text looks on a background with the Yxy color 30.1004, 0.3608, 0.2455.

# 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

30.1004, 0.3608, 0.2455

### Protanopia

30.2664, 0.2468, 0.2389

### Deuteranopia

30.3114, 0.2892, 0.2830



## Tritanopia

30.0382, 0.4184, 0.3183

# Trichromacy



## Original Color

30.1004, 0.3608, 0.2455



## Protanomaly

29.0069, 0.2803, 0.2387



## Deuteranomaly

29.3768, 0.3136, 0.2658



## Tritanomaly

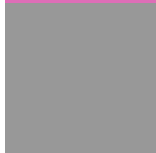
29.9526, 0.3980, 0.2908

# Monochromacy



## Original Color

30.1004, 0.3608, 0.2455



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

29.8828, 0.3296, 0.2924

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.1004, 0.3608, 0.2455 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(222, 110, 183)` looks like.

```
.text, #text, p{  
    color:rgb(222, 110, 183)  
}
```

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(222, 110, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 110, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 30.1004, 0.3608, 0.2455 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(222, 110, 183) }
```

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

```
.border{ border-color:rgb(222, 110, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 110, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 110, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 110, 183);  
box-shadow:4px 4px 4px 4px rgb(222, 110,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.1004, 0.3608, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 110, 183) }
```

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

```
.background{ background-color: rgb(222,  
110, 183) }
```

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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