

# Converting Colors

$Y_{xy}(30.1010, 0.3436, 0.2525)$

Have a look what the booklet for  
Yxy(30.1010, 0.3436, 0.2525)  
contains.

<b>Yxy(30.0757, 0.3440, 0.2530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(30.0757, 0.3440, 0.2530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF78B6
RGB	207, 120, 182
RGB Percent	81%, 47%, 71%
CMY	0.1882, 0.5294, 0.2863
CMYK	0.00, 0.42, 0.12, 0.19
HSL	317°, 48%, 64%
HSV	317°, 42%, 81%
XYZ	40.8934, 30.0757, 47.9071
YIQ	153.0810, 31.9500, 37.7260

# Conversions

## Conversions Part 2

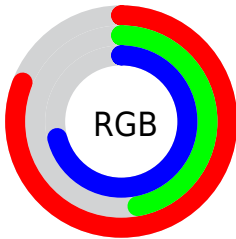
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 120, 182
Decimal	13596854
CIE <sub>Lab</sub>	61.72, 42.47, -18.12
CIE <sub>LCh</sub>	62, 46.169, 336.895
Yxy	30.0757, 0.3440, 0.2530
Android (android.graphics.Color)	4291786934 (0xFFCF78B6)
YUV	153.0810, 14.2571, 47.2870
Hunter-Lab	54.8413, 37.1295, -13.4044

# Details

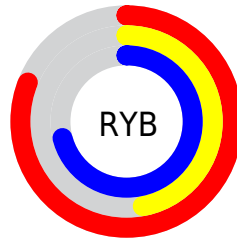
The Yxy color **30.0757, 0.3440, 0.2530** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.6664, 0.2917, 0.4203**, and the grayscale version is **31.8194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7052, 0.3298, 0.2650**, and **12.2985, 0.3529, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **25.3838, 0.3543, 0.2362**, and if you desaturate by 10%, it is **35.8570, 0.3348, 0.2711**.

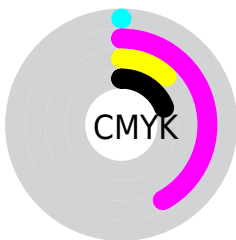
# Distribution



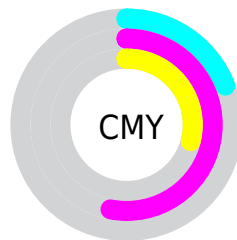
- Red (81%)
- Green (47%)
- Blue (71%)



- Red (81%)
- Yellow (47%)
- Blue (71%)



- Cyan (0%)
- Magenta (42%)
- Yellow (12%)
- Black (19%)



- Cyan (19%)
- Magenta (53%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0757, 0.3440, 0.2530 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 30.0757, 0.3440, 0.2530 by changing the saturation by 10% instead.





 30.0757, 0.3440,  
0.2530

 30.0757, 0.3440,  
0.2530


302.2571, 0.3284,  
0.2912


 19.8961, 0.3478,  
0.2435


 59.7819, 0.3384,  
0.2669

 12.3195, 0.3527,  
0.2313


 80.0772, 0.3362,  
0.2721

 6.9617, 0.3592,  
0.2152


 104.5132, 0.3344,  
0.2765

 3.4381, 0.3679,  
0.1930

133.4743, 0.3329,  
0.2803

 1.3645, 0.3804,  
0.1607

167.3448, 0.3316,  
0.2835

 0.1904, 0.4204,  
0.0627

206.5092, 0.3304,

 0.0000, 0.3811,

0.2864

0.0000

251.3518, 0.3293,  
0.2889

0.0000, 0.0000,  
0.0000

30.0757, 0.3440,  
0.2530

30.0757, 0.3440,  
0.2530

25.3838, 0.3543,  
0.2362

35.8570, 0.3348,  
0.2711

21.7070, 0.3655,  
0.2218

42.7876, 0.3267,  
0.2896

18.9683, 0.3773,  
0.2108

50.9276, 0.3198,  
0.3079

17.0776, 0.3894,  
0.2041

60.3320, 0.3138,  
0.3255

15.9273, 0.4014,  
0.2022

71.0524, 0.3088,  
0.3422

■ 15.3892, 0.4107,  
0.2036

■ 83.1373, 0.3046,  
0.3578

■ 90.1489, 0.3011,  
0.3624

■ 90.4767, 0.2978,  
0.3559

■ 90.8159, 0.2946,  
0.3494

# Harmonies

## Analogous

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



30.0757, 0.2701, 0.2239



30.0757, 0.3440, 0.2530



30.0757, 0.4161, 0.2980

# Triad

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



30.0757, 0.3440, 0.2530



30.0757, 0.4083, 0.4516



30.0757, 0.1868, 0.2791

# Complementary

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



30.0757, 0.3440, 0.2530



50.6664, 0.2917, 0.4203

# 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.



30.0757, 0.2152, 0.3520



30.0757, 0.3440, 0.2530



30.0757, 0.3416, 0.4657

# Square

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



30.0757, 0.3440, 0.2530



30.0757, 0.4525, 0.4065



30.0757, 0.2708, 0.4279



30.0757, 0.1875, 0.2330



# Rectangle

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



30.0757, 0.3440, 0.2530



30.0757, 0.4485, 0.3333



30.0757, 0.2708, 0.4279



30.0757, 0.1930, 0.3010

# Sweetspot

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



30.0771, 0.3440, 0.2530



80.0444, 0.3205, 0.3058



23.9268, 0.2560, 0.2069



16.4829, 0.3220, 0.3018



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.



30.0771, 0.3440, 0.2530



41.6490, 0.3528, 0.2385



28.5593, 0.3964, 0.3052



11.9487, 0.3181, 0.3126



9.7123, 0.4091, 0.2028



0.5564, 0.3893, 0.1918



# Inverse Universe

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



30.0771, 0.3440, 0.2530



41.6490, 0.3528, 0.2385



52.2595, 0.2662, 0.3553



11.9487, 0.3181, 0.3126



9.7123, 0.4091, 0.2028



0.5564, 0.3893, 0.1918



# Previews

## White Background



This preview shows how the Yxy color 30.0757, 0.3440, 0.2530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

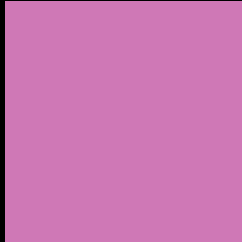
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.0757, 0.3440, 0.2530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

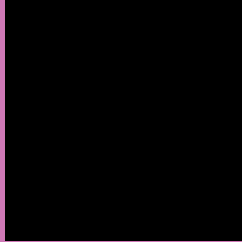
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0757, 0.3440, 0.2530**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0757, 0.3440, 0.2530.



This preview shows how white text looks on a background with the Yxy color 30.0757, 0.3440, 0.2530.

# 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

30.0757, 0.3440, 0.2530

### Protanopia

30.5124, 0.2554, 0.2507

### Deuteranopia

30.2161, 0.2883, 0.2829



## Tritanopia

30.0920, 0.3881, 0.3174

# Trichromacy



## Original Color

30.0757, 0.3440, 0.2530



## Protanomaly

29.6942, 0.2829, 0.2497



## Deuteranomaly

29.8039, 0.3071, 0.2702



## Tritanomaly

30.0922, 0.3721, 0.2931

# Monochromacy



## Original Color

30.0757, 0.3440, 0.2530



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

30.6143, 0.3238, 0.2962

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0757, 0.3440, 0.2530 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(207, 120, 182)` looks like.

```
.text, #text, p{  
    color:rgb(207, 120, 182)  
}
```

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(207, 120, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 120, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0757, 0.3440, 0.2530 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(207, 120, 182) }
```

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

```
.border{ border-color:rgb(207, 120, 182) }
```

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

Here you see how a box with a 4 pixel rgb(207, 120, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 120, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 120, 182);  
box-shadow:4px 4px 4px 4px rgb(207, 120,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0757, 0.3440, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 120, 182) }
```

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

```
.background{ background-color: rgb(207,  
120, 182) }
```

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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