

# Converting Colors

$Y_{xy}(30.0752, 0.3317, 0.2152)$

Have a look what the booklet for  
Yxy(30.0752, 0.3317, 0.2152)  
contains.

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# Color

**Yxy(30.0294, 0.3320, 0.2155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD69D0
RGB	221, 105, 208
RGB Percent	87%, 41%, 82%
CMY	0.1333, 0.5883, 0.1842
CMYK	0.00, 0.53, 0.06, 0.13
HSL	307°, 63%, 64%
HSV	307°, 53%, 87%
XYZ	46.2634, 30.0294, 63.0548
YIQ	151.4260, 36.0730, 56.6250

# Conversions

## Conversions Part 2

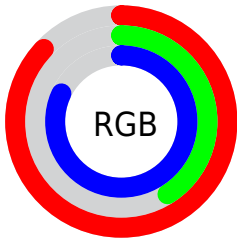
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 105, 208
Decimal	14510544
CIE <sub>Lab</sub>	61.68, 58.49, -32.77
CIE <sub>LCh</sub>	62, 67.043, 330.734
Y <sub>xy</sub>	30.0294, 0.3320, 0.2155
Android (android.graphics.Color)	4292700624 (0xFFDD69D0)
Y <sub>UV</sub>	151.4260, 27.8910, 61.0164
Hunter-Lab	54.7991, 54.7978, -29.8629

# Details

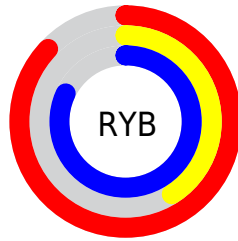
The Yxy color **30.0294, 0.3320, 0.2155** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.0333, 0.2985, 0.4785**, and the grayscale version is **31.0053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **12.2831, 0.3347, 0.1873** is the 20% darker color. If you saturate the color by 10%, you get **25.9786, 0.3364, 0.1986**, and if you desaturate by 10%, it is **35.2545, 0.3277, 0.2352**.

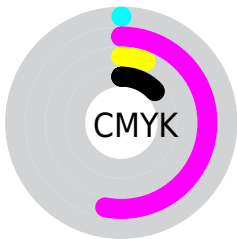
# Distribution



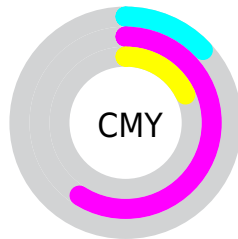
- Red (87%)
- Green (41%)
- Blue (82%)



- Red (87%)
- Yellow (41%)
- Blue (82%)



- Cyan (0%)
- Magenta (53%)
- Yellow (6%)
- Black (13%)




- Cyan (13%)
- Magenta (59%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0294, 0.3320, 0.2155 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 30.0294, 0.3320, 0.2155 by changing the saturation by 10% instead.





 30.0294, 0.3320,  
0.2155


 30.0294, 0.3320,  
0.2155


302.0415, 0.3242,  
0.2700


 19.8609, 0.3334,  
0.2027


 59.7087, 0.3296,  
0.2347


 12.2940, 0.3348,  
0.1869


 79.9882, 0.3285,  
0.2421

 6.9442, 0.3361,  
0.1668


 104.4069, 0.3276,  
0.2485

 3.4272, 0.3368,  
0.1409

 133.3492, 0.3268,  
0.2539

 1.3586, 0.3357,  
0.1067

167.1994, 0.3260,  
0.2587

 0.1859, 0.3385,  
0.0339

206.3419, 0.3253,


 0.0000, 0.2940,


0.2630


0.0000

251.1611, 0.3247,  
0.2667


 0.0000, 0.0000,  
0.0000


 30.0294, 0.3320,  
0.2155

 30.0294, 0.3320,  
0.2155


 25.9786, 0.3364,  
0.1986


 35.2545, 0.3277,  
0.2352

 23.0053, 0.3408,  
0.1855

 41.7326, 0.3236,  
0.2567


 21.0042, 0.3450,  
0.1766

 49.5401, 0.3199,  
0.2791

 19.8470, 0.3489,  
0.1721

 58.7466, 0.3164,  
0.3017

 19.3740, 0.3517,  
0.1711

 69.4163, 0.3134,  
0.3236

■ 81.6098, 0.3108,  
0.3446

■ 92.3507, 0.3086,  
0.3598

■ 92.4870, 0.3072,  
0.3571

■ 92.6252, 0.3058,  
0.3545

# Harmonies

## Analogous

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



30.0294, 0.2332, 0.1832



30.0294, 0.3320, 0.2155



30.0294, 0.4428, 0.2694

# Triad

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



30.0294, 0.3320, 0.2155



30.0294, 0.4537, 0.4810



30.0294, 0.1459, 0.2706

# Complementary

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



30.0294, 0.3320, 0.2155



56.0333, 0.2985, 0.4785

# 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.



30.0294, 0.1873, 0.3852



30.0294, 0.3320, 0.2155



30.0294, 0.3640, 0.5294

# Square

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



30.0294, 0.3320, 0.2155



30.0294, 0.5129, 0.4078



30.0294, 0.2667, 0.4991



30.0294, 0.1416, 0.2030



# Rectangle

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



30.0294, 0.3320, 0.2155



30.0294, 0.4975, 0.3128



30.0294, 0.2667, 0.4991



30.0294, 0.1553, 0.3043

# Sweetspot

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



30.0308, 0.3320, 0.2155



76.3838, 0.3176, 0.2935



19.0744, 0.2203, 0.1655



15.7811, 0.3183, 0.2888



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.



30.0308, 0.3320, 0.2155



35.4435, 0.3368, 0.1971



27.7223, 0.4014, 0.2748



13.2484, 0.3155, 0.3085



11.2628, 0.3511, 0.1708



0.7370, 0.3456, 0.1677



# Inverse Universe

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



30.0308, 0.3320, 0.2155



35.4435, 0.3368, 0.1971



57.8057, 0.2686, 0.3942



13.2484, 0.3155, 0.3085



11.2628, 0.3511, 0.1708

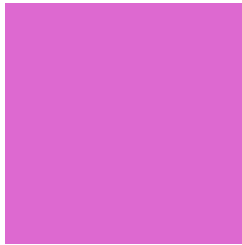


0.7370, 0.3456, 0.1677



# Previews

## White Background



This preview shows how the Yxy color 30.0294, 0.3320, 0.2155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

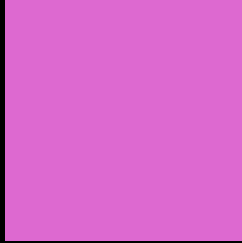
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0294, 0.3320, 0.2155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

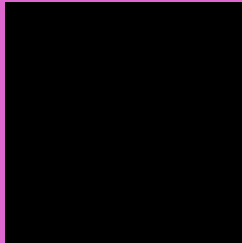
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0294, 0.3320, 0.2155**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0294, 0.3320, 0.2155.



This preview shows how white text looks on a background with the Yxy color 30.0294, 0.3320, 0.2155.

# 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

30.0294, 0.3320, 0.2155

### Protanopia

30.4133, 0.2177, 0.2007

### Deuteranopia

30.2354, 0.2566, 0.2506



## Tritanopia

29.8289, 0.4094, 0.3180

# Trichromacy



## Original Color

30.0294, 0.3320, 0.2155



## Protanomaly

28.6212, 0.2481, 0.2009



## Deuteranomaly

28.9692, 0.2796, 0.2323



## Tritanomaly

29.4759, 0.3799, 0.2757

# Monochromacy



## Original Color

30.0294, 0.3320, 0.2155



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

29.2589, 0.3195, 0.2760

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0294, 0.3320, 0.2155 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(221, 105, 208)` looks like.

```
.text, #text, p{  
    color:rgb(221, 105, 208)  
}
```

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(221, 105, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 105, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0294, 0.3320, 0.2155 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(221, 105, 208) }
```

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

```
.border{ border-color:rgb(221, 105, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 105, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 105, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 105, 208);  
box-shadow:4px 4px 4px 4px rgb(221, 105,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0294, 0.3320, 0.2155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 105, 208) }
```

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

```
.background{ background-color: rgb(221,  
105, 208) }
```

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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