

# Converting Colors

$Y_{xy}(32.1200, 0.3532, 0.2525)$

Have a look what the booklet for  
Yxy(32.1200, 0.3532, 0.2525)  
contains.

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# Color

**Yxy(32.1938, 0.3535, 0.2523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC78BA
RGB	220, 120, 186
RGB Percent	86%, 47%, 73%
CMY	0.1371, 0.5295, 0.2705
CMYK	0.00, 0.45, 0.15, 0.14
HSL	320°, 59%, 67%
HSV	320°, 45%, 86%
XYZ	45.1070, 32.1938, 50.3004
YIQ	157.4240, 38.4140, 41.7260

# Conversions

## Conversions Part 2

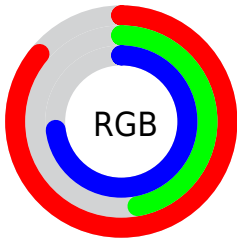
Format	Color
R <sub>Y</sub> B	220, 120, 186
Decimal	14448826
CIE Lab	63.50, 47.32, -17.53
CIE LCh	64, 50.467, 339.668
Yxy	32.1938, 0.3535, 0.2523
Android (android.graphics.Color)	4292638906 (0xFFDC78BA)
YUV	157.4240, 14.0880, 54.8792
Hunter-Lab	56.7396, 42.6103, -12.8437

# Details

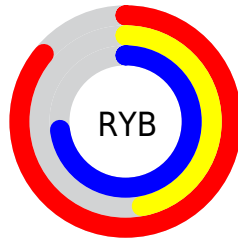
The Yxy color **32.1938, 0.3535, 0.2523** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.5367, 0.2874, 0.4220**, and the grayscale version is **33.8394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3307, 0.3265, 0.2623**, and **13.4943, 0.3648, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **27.1883, 0.3663, 0.2372**, and if you desaturate by 10%, it is **38.4349, 0.3421, 0.2690**.

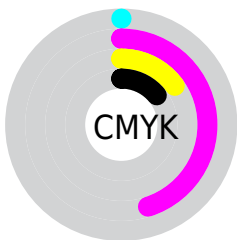
# Distribution



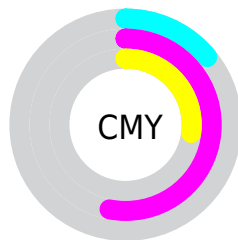
- Red (86%)
- Green (47%)
- Blue (73%)



- Red (86%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (45%)
- Yellow (15%)
- Black (14%)




- Cyan (14%)
- Magenta (53%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1938, 0.3535, 0.2523 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 32.1938, 0.3535, 0.2523 by changing the saturation by 10% instead.





 32.1938, 0.3535,  
0.2523


 32.1938, 0.3535,  
0.2523

312.0011, 0.3331,  
0.2903


 21.5096, 0.3586,  
0.2430


 63.1148, 0.3461,  
0.2660

 13.4970, 0.3650,  
0.2311


 84.1203, 0.3433,  
0.2712

 7.7717, 0.3735,  
0.2155


 109.3351, 0.3410,  
0.2756

 3.9492, 0.3853,  
0.1942

139.1435, 0.3390,  
0.2794

 1.6452, 0.4023,  
0.1639

173.9299, 0.3372,  
0.2827

 0.3878, 0.4383,  
0.0985

214.0787, 0.3357,


 0.0000, 0.5158,


0.2855


0.0000


259.9743, 0.3343,  
0.2881


 0.0000, 0.0000,  
0.0000


 32.1938, 0.3535,  
0.2523


 32.1938, 0.3535,  
0.2523


 27.1883, 0.3663,  
0.2372


 38.4349, 0.3421,  
0.2690


 23.3292, 0.3803,  
0.2248

 45.9838, 0.3321,  
0.2863


 20.5224, 0.3951,  
0.2162

 54.9124, 0.3235,  
0.3035

 18.6570, 0.4102,  
0.2122

 65.2860, 0.3162,  
0.3202

 17.5966, 0.4249,  
0.2134


 77.1658, 0.3101,  
0.3360

 17.2746, 0.4315,  
0.2151

 90.6095, 0.3050,  
0.3509

 92.9398, 0.3008,  
0.3460

 93.3899, 0.2967,  
0.3382

 93.8584, 0.2926,  
0.3306

# Harmonies

## Analogous

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



32.1938, 0.2737, 0.2200



32.1938, 0.3535, 0.2523



32.1938, 0.4291, 0.3006

# Triad

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



32.1938, 0.3535, 0.2523



32.1938, 0.4076, 0.4623



32.1938, 0.1784, 0.2693

# Complementary

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



32.1938, 0.3535, 0.2523



57.5367, 0.2874, 0.4220

# 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.



32.1938, 0.2049, 0.3452



32.1938, 0.3535, 0.2523



32.1938, 0.3354, 0.4745

# Square

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



32.1938, 0.3535, 0.2523



32.1938, 0.4582, 0.4150



32.1938, 0.2611, 0.4291



32.1938, 0.1819, 0.2241



# Rectangle

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



32.1938, 0.3535, 0.2523



32.1938, 0.4609, 0.3379



32.1938, 0.2611, 0.4291



32.1938, 0.1838, 0.2916

# Sweetspot

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



32.1953, 0.3535, 0.2523



78.5423, 0.3224, 0.3058



25.4005, 0.2542, 0.1967



16.1818, 0.3241, 0.3021



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.



32.1953, 0.3535, 0.2523



37.9846, 0.3663, 0.2373



30.4455, 0.4138, 0.3093



13.1957, 0.3189, 0.3137



10.1547, 0.4294, 0.2139



0.6738, 0.4072, 0.2017



# Inverse Universe

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



32.1953, 0.3535, 0.2523



37.9846, 0.3663, 0.2373



59.5329, 0.2604, 0.3510



13.1957, 0.3189, 0.3137



10.1547, 0.4294, 0.2139



0.6738, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 32.1938, 0.3535, 0.2523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

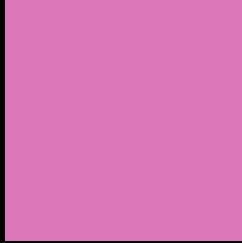
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.1938, 0.3535, 0.2523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

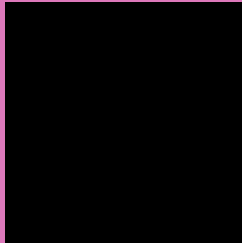
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.1938, 0.3535, 0.2523**

## Background



This preview shows how black text looks on a background with the Yxy color 32.1938, 0.3535, 0.2523.



This preview shows how white text looks on a background with the Yxy color 32.1938, 0.3535, 0.2523.

# 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

32.1938, 0.3535, 0.2523

### Protanopia

32.4632, 0.2545, 0.2487

### Deuteranopia

32.5373, 0.2907, 0.2857



## Tritanopia

32.2764, 0.4008, 0.3181

# Trichromacy



## Original Color

32.1938, 0.3535, 0.2523



## Protanomaly

31.2980, 0.2845, 0.2469



## Deuteranomaly

31.7588, 0.3114, 0.2708



## Tritanomaly

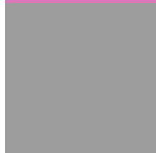
32.0737, 0.3840, 0.2927

# Monochromacy



## Original Color

32.1938, 0.3535, 0.2523



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

32.4770, 0.3267, 0.2959

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.1938, 0.3535, 0.2523 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(220, 120, 186)` looks like.

```
.text, #text, p{  
    color:rgb(220, 120, 186)  
}
```

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(220, 120, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 120, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 32.1938, 0.3535, 0.2523 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(220, 120, 186) }
```

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

```
.border{ border-color:rgb(220, 120, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 120, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 120, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 120, 186);  
box-shadow:4px 4px 4px 4px rgb(220, 120,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.1938, 0.3535, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 120, 186) }
```

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

```
.background{ background-color: rgb(220,  
120, 186) }
```

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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