

Converting Colors

$Y_{xy}(33.7673, 0.3525, 0.2613)$

Have a look what the booklet for
Yxy(33.7673, 0.3525, 0.2613)
contains.

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Color

Yxy(33.7416, 0.3523, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	DB7FB9
RGB	219, 127, 185
RGB Percent	86%, 50%, 73%
CMY	0.1412, 0.5020, 0.2744
CMYK	0.00, 0.42, 0.16, 0.14
HSL	322°, 56%, 68%
HSV	322°, 42%, 86%
XYZ	45.5622, 33.7416, 50.0240
YIQ	161.1200, 36.2140, 37.5420

Conversions

Conversions Part 2

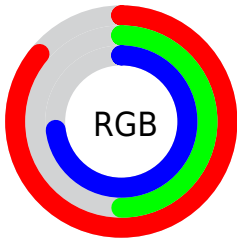
Format	Color
R _Y B	219, 127, 185
Decimal	14385081
CIE Lab	64.76, 43.22, -15.09
CIE LCh	65, 45.782, 340.757
Yxy	33.7416, 0.3523, 0.2609
Android (android.graphics.Color)	4292575161 (0xFFDB7FB9)
YUV	161.1200, 11.7728, 50.7608
Hunter-Lab	58.0875, 38.3570, -10.3982

Details

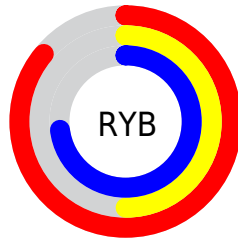
The Yxy color **33.7416, 0.3523, 0.2609** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.7487, 0.2874, 0.4096**, and the grayscale version is **35.6321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0668, 0.3267, 0.2702**, and **14.3795, 0.3631, 0.2420** is the 20% darker color. If you saturate the color by 10%, you get **28.3559, 0.3658, 0.2458**, and if you desaturate by 10%, it is **40.3793, 0.3404, 0.2772**.

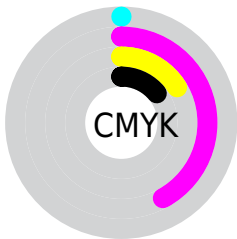
Distribution



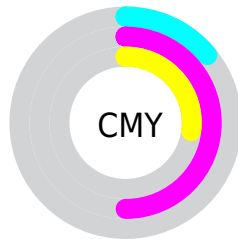
- Red (86%)
- Green (50%)
- Blue (73%)



- Red (86%)
- Yellow (50%)
- Blue (73%)



- Cyan (0%)
- Magenta (42%)
- Yellow (16%)
- Black (14%)





- Cyan (14%)
- Magenta (50%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7416, 0.3523, 0.2609 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 33.7416, 0.3523, 0.2609 by changing the saturation by 10% instead.


 33.7416, 0.3523,
0.2609


 33.7416, 0.3523,
0.2609

318.9783, 0.3324,
0.2947


 22.6952, 0.3573,
0.2526


 65.5316, 0.3451,
0.2731

 14.3686, 0.3636,
0.2419


 87.0440, 0.3424,
0.2777

 8.3775, 0.3721,
0.2279


 112.8138, 0.3401,
0.2816

 4.3374, 0.3839,
0.2088

143.2255, 0.3381,
0.2850

 1.8640, 0.4012,
0.1810

178.6634, 0.3364,
0.2879

 0.5266, 0.4338,
0.1286

219.5119, 0.3349,

 0.0000, 0.5435,

0.2905

0.0000

266.1554, 0.3336,
0.2927

■ 0.0000, 0.0000,
0.0000

■ 33.7416, 0.3523,
0.2609

■ 33.7416, 0.3523,
0.2609

■ 28.3559, 0.3658,
0.2458

■ 40.3793, 0.3404,
0.2772

■ 24.1365, 0.3808,
0.2329

■ 48.3377, 0.3301,
0.2939

■ 20.9948, 0.3969,
0.2233


■ 57.6862, 0.3214,
0.3102

■ 18.8270, 0.4136,
0.2183

■ 68.4880, 0.3140,
0.3259


■ 17.5086, 0.4302,
0.2183

■ 80.8023, 0.3079,
0.3408

 16.8990, 0.4432,
0.2215

 92.4952, 0.3028,
0.3511

 92.9696, 0.2983,
0.3427

 93.4655, 0.2940,
0.3343

 93.8004, 0.2911,
0.3289

Harmonies

Analogous

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



33.7416, 0.2805, 0.2305



33.7416, 0.3523, 0.2609



33.7416, 0.4186, 0.3059

Triad

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



33.7416, 0.3523, 0.2609



33.7416, 0.3974, 0.4505



33.7416, 0.1903, 0.2743

Complementary

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



33.7416, 0.3523, 0.2609



57.7487, 0.2874, 0.4096

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.



33.7416, 0.2142, 0.3414



33.7416, 0.3523, 0.2609



33.7416, 0.3320, 0.4572

Square

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



33.7416, 0.3523, 0.2609



33.7416, 0.4431, 0.4104



33.7416, 0.2649, 0.4149



33.7416, 0.1943, 0.2335

Rectangle

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



33.7416, 0.3523, 0.2609



33.7416, 0.4462, 0.3404



33.7416, 0.2649, 0.4149



33.7416, 0.1951, 0.2942

Sweetspot

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



33.7432, 0.3523, 0.2609



79.8793, 0.3223, 0.3085



27.8430, 0.2625, 0.2087



16.4420, 0.3241, 0.3048



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.



33.7432, 0.3523, 0.2609



41.1180, 0.3636, 0.2480



32.1112, 0.4062, 0.3144



13.1890, 0.3194, 0.3144



10.0419, 0.4409, 0.2202



0.6670, 0.4162, 0.2067

Inverse Universe

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



33.7432, 0.3523, 0.2609



41.1180, 0.3636, 0.2480



59.6683, 0.2620, 0.3450



13.1890, 0.3194, 0.3144



10.0419, 0.4409, 0.2202



0.6670, 0.4162, 0.2067

Previews

White Background



This preview shows how the Yxy color 33.7416, 0.3523, 0.2609 looks on a white background.

Color Contrast Check

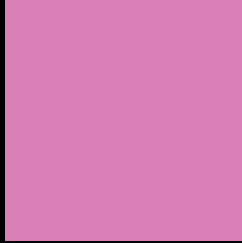
Large Text (above 18pt) WCAG AA × Fail

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 33.7416, 0.3523, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

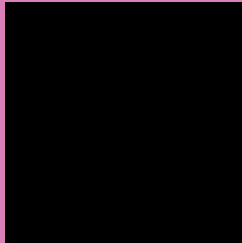
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7416, 0.3523, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 33.7416, 0.3523, 0.2609.



This preview shows how white text looks on a background with the Yxy color 33.7416, 0.3523, 0.2609.

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

33.7416, 0.3523, 0.2609

Protanopia

34.1140, 0.2626, 0.2603

Deuteranopia

34.0879, 0.2973, 0.2921



Tritanopia

33.8194, 0.3916, 0.3169

Trichromacy



Original Color

33.7416, 0.3523, 0.2609



Protanomaly

32.9859, 0.2901, 0.2578



Deuteranomaly

33.3912, 0.3161, 0.2782



Tritanomaly

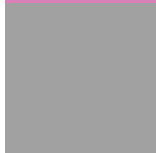
33.6395, 0.3763, 0.2950

Monochromacy



Original Color

33.7416, 0.3523, 0.2609



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.3423, 0.3262, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7416, 0.3523, 0.2609 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(219, 127, 185)` looks like.

```
.text, #text, p{  
    color:rgb(219, 127, 185)  
}
```

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(219, 127, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 127, 185) }
```

Border

The CSS property to change the border of an element to Yxy 33.7416, 0.3523, 0.2609 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(219, 127, 185) }
```

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

```
.border{ border-color:rgb(219, 127, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 127, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 127, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 127, 185); box-shadow:4px 4px 4px 4px rgb(219, 127, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7416, 0.3523, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 127, 185) }
```

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

```
.background{ background-color: rgb(219,  
127, 185) }
```

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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