

Converting Colors

$Yxy(37.7094, 0.3315, 0.2567)$

Have a look what the booklet for
Yxy(37.7094, 0.3315, 0.2567)
contains.

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Color

Yxy(37.7721, 0.3309, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	D98CCA
RGB	217, 140, 202
RGB Percent	85%, 55%, 79%
CMY	0.1491, 0.4509, 0.2078
CMYK	0.00, 0.35, 0.07, 0.15
HSL	312°, 50%, 70%
HSV	312°, 35%, 85%
XYZ	48.6523, 37.7721, 60.6059
YIQ	170.0910, 25.9900, 35.6060

Conversions

Conversions Part 2

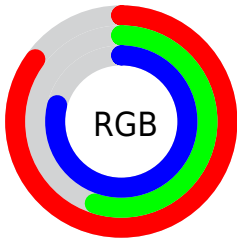
Format	Color
R _Y B	217, 140, 202
Decimal	14257354
CIE Lab	67.85, 38.54, -19.95
CIE LCh	68, 43.391, 332.634
Yxy	37.7721, 0.3309, 0.2569
Android (android.graphics.Color)	4292447434 (0xFFD98CCA)
YUV	170.0910, 15.7311, 41.1392
Hunter-Lab	61.4590, 33.7514, -15.4457

Details

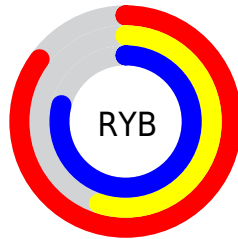
The Yxy color **37.7721, 0.3309, 0.2569** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.5643, 0.2988, 0.4140**, and the grayscale version is **40.1577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **16.6946, 0.3351, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **31.8475, 0.3375, 0.2373**, and if you desaturate by 10%, it is **44.9559, 0.3249, 0.2774**.

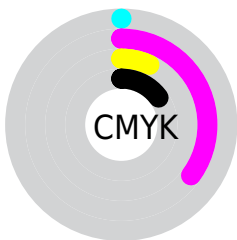
Distribution



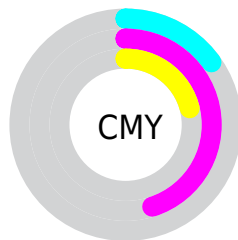
- Red (85%)
- Green (55%)
- Blue (79%)



- Red (85%)
- Yellow (55%)
- Blue (79%)



- Cyan (0%)
- Magenta (35%)
- Yellow (7%)
- Black (15%)




- Cyan (15%)
- Magenta (45%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7721, 0.3309, 0.2569 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 37.7721, 0.3309, 0.2569 by changing the saturation by 10% instead.


 37.7721, 0.3309,
0.2569


 37.7721, 0.3309,
0.2569


336.6413, 0.3225,
0.2919

 25.8059, 0.3328,
0.2485


 71.7587, 0.3280,
0.2694

 16.6785, 0.3351,
0.2380


 94.5478, 0.3269,
0.2741

 10.0055, 0.3379,
0.2243


 121.7134, 0.3259,
0.2782

 5.4026, 0.3415,
0.2059

153.6398, 0.3250,
0.2817

 2.4854, 0.3459,
0.1802

190.7114, 0.3243,
0.2847

 0.8693, 0.3511,
0.1421

233.3125, 0.3236,

 0.0000, 0.3841,

0.2874

0.0000


281.8277, 0.3230,
0.2898


 0.0000, 0.0000,
0.0000

 37.7721, 0.3309,
0.2569

 37.7721, 0.3309,
0.2569

 31.8475, 0.3375,
0.2373

 44.9559, 0.3249,
0.2774


 27.1032, 0.3447,
0.2196


 53.4616, 0.3196,
0.2981


 23.4592, 0.3522,
0.2048

 63.3540, 0.3150,
0.3183

 20.8234, 0.3599,
0.1938

 74.6919, 0.3110,
0.3376

 19.0888, 0.3675,
0.1873


 87.5309, 0.3076,
0.3558


 18.1242, 0.3747,
0.1855

 91.8360, 0.3050,
0.3578

 17.8357, 0.3779,
0.1856

 92.0726, 0.3027,
0.3533

 92.3150, 0.3004,
0.3488

 92.5633, 0.2980,
0.3444

Harmonies

Analogous

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



37.7721, 0.2676, 0.2332



37.7721, 0.3309, 0.2569



37.7721, 0.3951, 0.2959

Triad

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



37.7721, 0.3309, 0.2569



37.7721, 0.4049, 0.4332



37.7721, 0.2032, 0.2943

Complementary

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



37.7721, 0.3309, 0.2569



57.5643, 0.2988, 0.4140

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.



37.7721, 0.2328, 0.3594



37.7721, 0.3309, 0.2569



37.7721, 0.3484, 0.4481

Square

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



37.7721, 0.3309, 0.2569



37.7721, 0.4385, 0.3927



37.7721, 0.2853, 0.4210



37.7721, 0.1997, 0.2491

Rectangle

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



37.7721, 0.3309, 0.2569



37.7721, 0.4263, 0.3272



37.7721, 0.2853, 0.4210



37.7721, 0.2102, 0.3145

Sweetspot

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



37.7738, 0.3309, 0.2569



83.0441, 0.3175, 0.3070



30.6502, 0.2600, 0.2260



17.3652, 0.3181, 0.3042



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.



37.7738, 0.3309, 0.2569



47.5385, 0.3361, 0.2413



36.2037, 0.3701, 0.2995



13.2291, 0.3167, 0.3104



10.8128, 0.3770, 0.1850



0.7119, 0.3661, 0.1791

Inverse Universe

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



37.7738, 0.3309, 0.2569



47.5385, 0.3361, 0.2413



59.0309, 0.2766, 0.3611



13.2291, 0.3167, 0.3104



10.8128, 0.3770, 0.1850



0.7119, 0.3661, 0.1791

Previews

White Background



This preview shows how the Yxy color 37.7721, 0.3309, 0.2569 looks on a white background.

Color Contrast Check

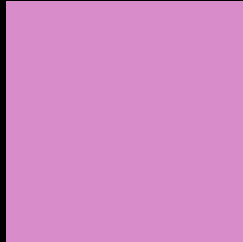
Large Text (above 18pt) WCAG AA × Fail

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 37.7721, 0.3309, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

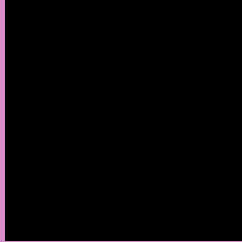
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7721, 0.3309, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 37.7721, 0.3309, 0.2569.



This preview shows how white text looks on a background with the Yxy color 37.7721, 0.3309, 0.2569.

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

37.7721, 0.3309, 0.2569

Protanopia

38.2447, 0.2598, 0.2560

Deuteranopia

38.0249, 0.2865, 0.2805



Tritanopia

37.7149, 0.3673, 0.3143

Trichromacy



Original Color

37.7721, 0.3309, 0.2569



Protanomaly

37.3607, 0.2822, 0.2546



Deuteranomaly

37.5490, 0.3023, 0.2711



Tritanomaly

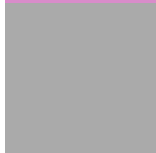
37.6421, 0.3544, 0.2926

Monochromacy



Original Color

37.7721, 0.3309, 0.2569



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.7385, 0.3189, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7721, 0.3309, 0.2569 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(217, 140, 202)` looks like.

```
.text, #text, p{  
    color:rgb(217, 140, 202)  
}
```

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(217, 140, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 140, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.7721, 0.3309, 0.2569 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(217, 140, 202) }
```

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

```
.border{ border-color:rgb(217, 140, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 140, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 140, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 140, 202);  
box-shadow:4px 4px 4px 4px rgb(217, 140,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7721, 0.3309, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 140, 202) }
```

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

```
.background{ background-color: rgb(217,  
140, 202) }
```

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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