

Converting Colors

$Y_{xy}(37.8964, 0.3306, 0.2591)$

Have a look what the booklet for
Yxy(37.8964, 0.3306, 0.2591)
contains.

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Color

Yxy(37.8657, 0.3308, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	D88DC9
RGB	216, 141, 201
RGB Percent	85%, 55%, 79%
CMY	0.1530, 0.4470, 0.2118
CMYK	0.00, 0.35, 0.07, 0.15
HSL	312°, 49%, 70%
HSV	312°, 35%, 85%
XYZ	48.3815, 37.8657, 60.0089
YIQ	170.2650, 25.4400, 34.5600

Conversions

Conversions Part 2

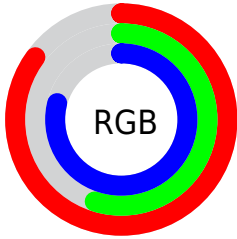
Format	Color
R _Y B	216, 141, 201
Decimal	14192073
CIE Lab	67.92, 37.49, -19.28
CIE LCh	68, 42.162, 332.782
Yxy	37.8657, 0.3308, 0.2589
Android (android.graphics.Color)	4292382153 (0xFFD88DC9)
YUV	170.2650, 15.1524, 40.1096
Hunter-Lab	61.5351, 32.6578, -14.7449

Details

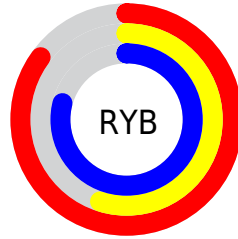
The Yxy color **37.8657, 0.3308, 0.2589** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.1687, 0.2988, 0.4112**, and the grayscale version is **40.2519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **16.7249, 0.3350, 0.2401** is the 20% darker color. If you saturate the color by 10%, you get **31.9057, 0.3375, 0.2393**, and if you desaturate by 10%, it is **45.0768, 0.3247, 0.2793**.

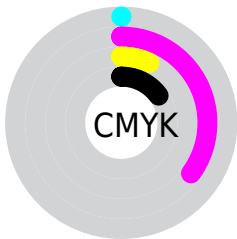
Distribution



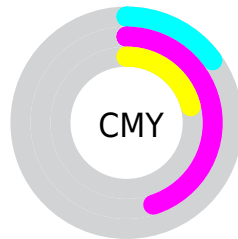
- Red (85%)
- Green (55%)
- Blue (79%)



- 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 37.8657, 0.3308, 0.2589 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 37.8657, 0.3308, 0.2589 by changing the saturation by 10% instead.

 37.8657, 0.3308,
0.2589


 37.8657, 0.3308,
0.2589


337.0435, 0.3224,
0.2930


 25.8785, 0.3327,
0.2507


 71.9022, 0.3279,
0.2711

 16.7327, 0.3350,
0.2404

 94.7204, 0.3268,
0.2757

 10.0441, 0.3379,
0.2270


 121.9175, 0.3258,
0.2796

 5.4282, 0.3416,
0.2090

153.8782, 0.3249,
0.2830

 2.5006, 0.3462,
0.1836

190.9867, 0.3242,
0.2860

 0.8770, 0.3518,
0.1459

233.6275, 0.3235,

 0.0000, 0.3869,

0.2886

0.0000


282.1850, 0.3229,
0.2909


 0.0000, 0.0000,
0.0000

 37.8657, 0.3308,
0.2589


 37.8657, 0.3308,
0.2589

 31.9057, 0.3375,
0.2393


 45.0768, 0.3247,
0.2793


 27.1192, 0.3449,
0.2215


 53.6006, 0.3194,
0.2999


 23.4278, 0.3526,
0.2065

 63.5007, 0.3147,
0.3199

 20.7415, 0.3605,
0.1953


 74.8352, 0.3107,
0.3390


 18.9558, 0.3683,
0.1885

 87.6585, 0.3073,
0.3569

 17.9434, 0.3758,
0.1864

 91.6578, 0.3047,
0.3583

 17.6051, 0.3797,
0.1865

 91.8993, 0.3023,
0.3537

 92.1468, 0.2999,
0.3491

 92.4004, 0.2975,
0.3446

Harmonies

Analogous

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



37.8657, 0.2691, 0.2357



37.8657, 0.3308, 0.2589



37.8657, 0.3929, 0.2971

Triad

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



37.8657, 0.3308, 0.2589



37.8657, 0.4024, 0.4306



37.8657, 0.2059, 0.2952

Complementary

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



37.8657, 0.3308, 0.2589



57.1687, 0.2988, 0.4112

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.



37.8657, 0.2349, 0.3583



37.8657, 0.3308, 0.2589



37.8657, 0.3474, 0.4444

Square

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



37.8657, 0.3308, 0.2589



37.8657, 0.4350, 0.3916



37.8657, 0.2860, 0.4178



37.8657, 0.2026, 0.2513

Rectangle

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



37.8657, 0.3308, 0.2589



37.8657, 0.4231, 0.3277



37.8657, 0.2860, 0.4178



37.8657, 0.2128, 0.3148

Sweetspot

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



37.8674, 0.3308, 0.2589



84.4715, 0.3171, 0.3092



31.0803, 0.2624, 0.2289



17.6494, 0.3178, 0.3063



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.



37.8674, 0.3308, 0.2589



48.3246, 0.3359, 0.2437



36.3135, 0.3697, 0.3017



12.5881, 0.3168, 0.3105



10.4378, 0.3787, 0.1860



0.6406, 0.3668, 0.1794

Inverse Universe

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



37.8674, 0.3308, 0.2589



48.3246, 0.3359, 0.2437



58.6403, 0.2765, 0.3586



12.5881, 0.3168, 0.3105



10.4378, 0.3787, 0.1860



0.6406, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 37.8657, 0.3308, 0.2589 looks on a white background.

Color Contrast Check

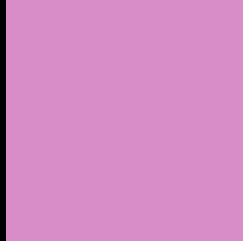
Large Text (above 18pt) WCAG AA × Fail

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 37.8657, 0.3308, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

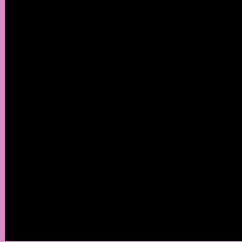
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8657, 0.3308, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 37.8657, 0.3308, 0.2589.



This preview shows how white text looks on a background with the Yxy color 37.8657, 0.3308, 0.2589.

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

37.8657, 0.3308, 0.2589

Protanopia

38.2361, 0.2619, 0.2584

Deuteranopia

38.0874, 0.2881, 0.2818



Tritanopia

37.8818, 0.3660, 0.3154

Trichromacy



Original Color

37.8657, 0.3308, 0.2589



Protanomaly

37.5940, 0.2838, 0.2582



Deuteranomaly

37.5027, 0.3032, 0.2723



Tritanomaly

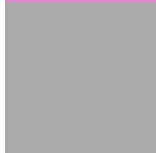
37.7990, 0.3532, 0.2937

Monochromacy



Original Color

37.8657, 0.3308, 0.2589



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6973, 0.3198, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8657, 0.3308, 0.2589 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(216, 141, 201)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 201)  
}
```

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(216, 141, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 201) }
```

Border

The CSS property to change the border of an element to Yxy 37.8657, 0.3308, 0.2589 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(216, 141, 201) }
```

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

```
.border{ border-color:rgb(216, 141, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 141, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 141, 201);  
box-shadow:4px 4px 4px 4px rgb(216, 141,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8657, 0.3308, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 201) }
```

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

```
.background{ background-color: rgb(216,  
141, 201) }
```

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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