

Converting Colors

$Y_{xy}(36.9505, 0.3205, 0.2496)$

Have a look what the booklet for
Yxy(36.9505, 0.3205, 0.2496)
contains.

Yxy(36.8191, 0.3204, 0.2491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.8191, 0.3204, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	D38BCF
RGB	211, 139, 207
RGB Percent	83%, 55%, 81%
CMY	0.1725, 0.4549, 0.1883
CMYK	0.00, 0.34, 0.02, 0.17
HSL	303°, 45%, 69%
HSV	303°, 34%, 83%
XYZ	47.3578, 36.8191, 63.6316
YIQ	168.2800, 21.0840, 36.4120

Conversions

Conversions Part 2

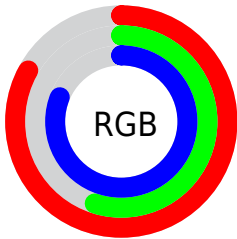
Format	Color
R _Y B	211, 139, 207
Decimal	13863887
CIE Lab	67.14, 38.02, -23.87
CIE LCh	67, 44.891, 327.885
Yxy	36.8191, 0.3204, 0.2491
Android (android.graphics.Color)	4292053967 (0xFFD38BCF)
YUV	168.2800, 19.0890, 37.4654
Hunter-Lab	60.6787, 33.1258, -19.7001

Details

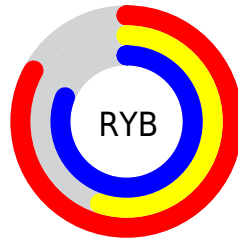
The Yxy color **36.8191, 0.3204, 0.2491** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.0636, 0.3055, 0.4245**, and the grayscale version is **39.2002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **16.0520, 0.3216, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **31.2310, 0.3230, 0.2269**, and if you desaturate by 10%, it is **43.5901, 0.3179, 0.2725**.

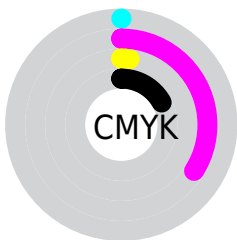
Distribution



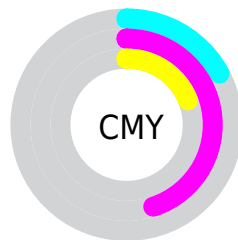
- Red (83%)
- Green (55%)
- Blue (81%)



- Red (83%)
- Yellow (55%)
- Blue (81%)



- Cyan (0%)
- Magenta (34%)
- Yellow (2%)
- Black (17%)





- Cyan (17%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8191, 0.3204, 0.2491 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 36.8191, 0.3204, 0.2491 by changing the saturation by 10% instead.


 36.8191, 0.3204,
0.2491


 36.8191, 0.3204,
0.2491


332.5267, 0.3175,
0.2878


 25.0675, 0.3208,
0.2399


 70.2945, 0.3196,
0.2628

 16.1273, 0.3212,
0.2283


 92.7870, 0.3192,
0.2681

 9.6143, 0.3214,
0.2133


 119.6286, 0.3188,
0.2726

 5.1440, 0.3212,
0.1934

151.2037, 0.3185,
0.2765

 2.3320, 0.3199,
0.1658

187.8966, 0.3182,
0.2798

 0.7906, 0.3152,
0.1253

230.0918, 0.3180,

 0.0000, 0.3140,

0.2828

0.0000

278.1737, 0.3177,
0.2854

■ 0.0000, 0.0000,
0.0000

■ 36.8191, 0.3204,
0.2491

■ 36.8191, 0.3204,
0.2491

■ 31.2310, 0.3230,
0.2269

■ 43.5901, 0.3179,
0.2725

■ 26.7528, 0.3255,
0.2069

■ 51.6018, 0.3156,
0.2962

■ 23.3111, 0.3280,
0.1899


■ 60.9139, 0.3135,
0.3196


■ 20.8216, 0.3304,
0.1768


■ 71.5811, 0.3116,
0.3421

■ 19.1868, 0.3326,
0.1680

■ 83.6547, 0.3099,
0.3633


 18.2885, 0.3345,
0.1635

 90.2270, 0.3088,
0.3726

 17.9833, 0.3355,
0.1622

 90.2875, 0.3081,
0.3714

 90.3483, 0.3075,
0.3701

 90.4096, 0.3068,
0.3688

Harmonies

Analogous

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



36.8191, 0.2566, 0.2276



36.8191, 0.3204, 0.2491



36.8191, 0.3890, 0.2873

Triad

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



36.8191, 0.3204, 0.2491



36.8191, 0.4160, 0.4316



36.8191, 0.2020, 0.3022

Complementary

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



36.8191, 0.3204, 0.2491



54.0636, 0.3055, 0.4245

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.



36.8191, 0.2367, 0.3720



36.8191, 0.3204, 0.2491



36.8191, 0.3597, 0.4535

Square

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



36.8191, 0.3204, 0.2491



36.8191, 0.4461, 0.3868



36.8191, 0.2940, 0.4330



36.8191, 0.1943, 0.2514

Rectangle

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



36.8191, 0.3204, 0.2491



36.8191, 0.4249, 0.3188



36.8191, 0.2940, 0.4330



36.8191, 0.2106, 0.3243

Sweetspot

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



36.8207, 0.3204, 0.2491



84.7044, 0.3148, 0.3057



28.9750, 0.2545, 0.2286



17.7061, 0.3151, 0.3024



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.



36.8207, 0.3204, 0.2491



50.0664, 0.3223, 0.2327



35.2723, 0.3564, 0.2891



11.9972, 0.3146, 0.3073



10.8577, 0.3353, 0.1621



0.6107, 0.3324, 0.1605

Inverse Universe

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



36.8207, 0.3204, 0.2491



50.0664, 0.3223, 0.2327



55.3184, 0.2836, 0.3731



11.9972, 0.3146, 0.3073



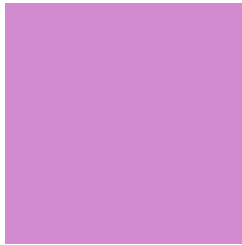
10.8577, 0.3353, 0.1621



0.6107, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 36.8191, 0.3204, 0.2491 looks on a white background.

Color Contrast Check

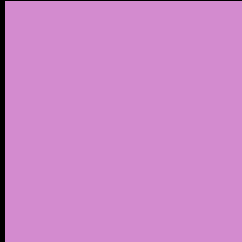
Large Text (above 18pt) WCAG AA × Fail

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 36.8191, 0.3204, 0.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

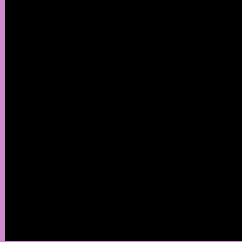
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8191, 0.3204, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 36.8191, 0.3204, 0.2491.



This preview shows how white text looks on a background with the Yxy color 36.8191, 0.3204, 0.2491.

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

36.8191, 0.3204, 0.2491

Protanopia

37.3335, 0.2527, 0.2468

Deuteranopia

36.9270, 0.2775, 0.2707



Tritanopia

36.6970, 0.3601, 0.3138

Trichromacy



Original Color

36.8191, 0.3204, 0.2491



Protanomaly

36.7192, 0.2742, 0.2468



Deuteranomaly

36.3998, 0.2927, 0.2616



Tritanomaly

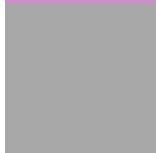
36.6905, 0.3452, 0.2892

Monochromacy



Original Color

36.8191, 0.3204, 0.2491



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.6817, 0.3162, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8191, 0.3204, 0.2491 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(211, 139, 207)` looks like.

```
.text, #text, p{  
    color:rgb(211, 139, 207)  
}
```

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(211, 139, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 139, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.8191, 0.3204, 0.2491 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(211, 139, 207) }
```

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

```
.border{ border-color:rgb(211, 139, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 139, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 139, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 139, 207);  
box-shadow:4px 4px 4px 4px rgb(211, 139,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8191, 0.3204, 0.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 139, 207) }
```

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

```
.background{ background-color: rgb(211,  
139, 207) }
```

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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