

Converting Colors

$Y_{xy}(36.4208, 0.3296, 0.2415)$

Have a look what the booklet for
Yxy(36.4208, 0.3296, 0.2415)
contains.

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Color

Yxy(36.3656, 0.3298, 0.2411)

Conversions

Conversions Part 1

Format	Color
Hex	DE83D1
RGB	222, 131, 209
RGB Percent	87%, 51%, 82%
CMY	0.1295, 0.4862, 0.1804
CMYK	0.00, 0.41, 0.06, 0.13
HSL	309°, 58%, 69%
HSV	309°, 41%, 87%
XYZ	49.7444, 36.3656, 64.7220
YIQ	167.1010, 29.1980, 43.5500

Conversions

Conversions Part 2

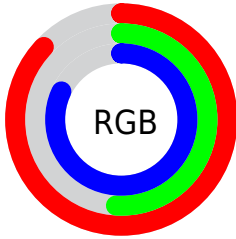
Format	Color
R _Y B	222, 131, 209
Decimal	14582737
CIE Lab	66.80, 46.05, -25.41
CIE LCh	67, 52.593, 331.114
Yxy	36.3656, 0.3298, 0.2411
Android (android.graphics.Color)	4292772817 (0xFFDE83D1)
YUV	167.1010, 20.6562, 48.1464
Hunter-Lab	60.3039, 41.7120, -21.4211

Details

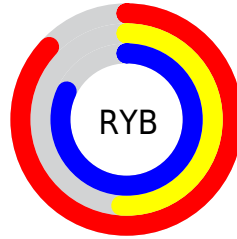
The Yxy color **36.3656, 0.3298, 0.2411** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.0712, 0.2996, 0.4368**, and the grayscale version is **38.5838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **15.7812, 0.3334, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **30.8735, 0.3350, 0.2216**, and if you desaturate by 10%, it is **43.1414, 0.3249, 0.2623**.

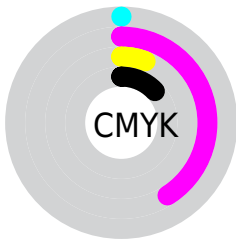
Distribution



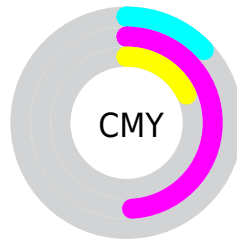
- Red (87%)
- Green (51%)
- Blue (82%)



- Red (87%)
- Yellow (51%)
- Blue (82%)



- Cyan (0%)
- Magenta (41%)
- Yellow (6%)
- Black (13%)




- Cyan (13%)
- Magenta (49%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3656, 0.3298, 0.2411 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 36.3656, 0.3298, 0.2411 by changing the saturation by 10% instead.


 36.3656, 0.3298,
0.2411


 36.3656, 0.3298,
0.2411


330.5557, 0.3224,
0.2833

 24.7167, 0.3313,
0.2311


 69.5960, 0.3274,
0.2560

 15.8661, 0.3331,
0.2187


 91.9463, 0.3264,
0.2617

 9.4295, 0.3351,
0.2028


 118.6324, 0.3255,
0.2666

 5.0223, 0.3372,
0.1818

150.0389, 0.3247,
0.2709

 2.2604, 0.3392,
0.1532

186.5501, 0.3240,
0.2746

 0.7526, 0.3398,
0.1119

228.5503, 0.3234,


 0.0000, 0.3509,


0.2778


0.0000


276.4241, 0.3229,
0.2807

 0.0000, 0.0000,
0.0000


 36.3656, 0.3298,
0.2411


 36.3656, 0.3298,
0.2411


 30.8735, 0.3350,
0.2216


 43.1414, 0.3249,
0.2623


 26.5778, 0.3405,
0.2046

 51.2709, 0.3205,
0.2841

 23.3881, 0.3461,
0.1911


 60.8252, 0.3165,
0.3059

 21.1993, 0.3515,
0.1819

 71.8686, 0.3130,
0.3270

 19.8856, 0.3567,
0.1773


 84.4618, 0.3100,
0.3471

 19.2579, 0.3611,
0.1763

 92.6477, 0.3077,
0.3569

 92.8252, 0.3059,
0.3535

 93.0059, 0.3042,
0.3502

 93.1898, 0.3024,
0.3469

Harmonies

Analogous

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



36.3656, 0.2540, 0.2145



36.3656, 0.3298, 0.2411



36.3656, 0.4100, 0.2856

Triad

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



36.3656, 0.3298, 0.2411



36.3656, 0.4251, 0.4511



36.3656, 0.1827, 0.2881

Complementary

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



36.3656, 0.3298, 0.2411



59.0712, 0.2996, 0.4368

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.



36.3656, 0.2181, 0.3702



36.3656, 0.3298, 0.2411



36.3656, 0.3571, 0.4765

Square

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



36.3656, 0.3298, 0.2411



36.3656, 0.4660, 0.3989



36.3656, 0.2813, 0.4479



36.3656, 0.1779, 0.2336

Rectangle

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



36.3656, 0.3298, 0.2411



36.3656, 0.4499, 0.3216



36.3656, 0.2813, 0.4479



36.3656, 0.1911, 0.3133

Sweetspot

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



36.3672, 0.3298, 0.2411



81.7287, 0.3169, 0.3035



27.3628, 0.2461, 0.2062



17.1065, 0.3174, 0.3006



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.



36.3672, 0.3298, 0.2411



43.3635, 0.3342, 0.2245



34.4573, 0.3779, 0.2895



13.9003, 0.3159, 0.3091



11.4539, 0.3604, 0.1759



0.8033, 0.3534, 0.1720

Inverse Universe

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



36.3672, 0.3298, 0.2411



43.3635, 0.3342, 0.2245



60.7157, 0.2744, 0.3733



13.9003, 0.3159, 0.3091



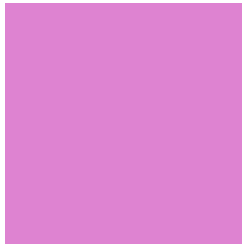
11.4539, 0.3604, 0.1759



0.8033, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 36.3656, 0.3298, 0.2411 looks on a white background.

Color Contrast Check

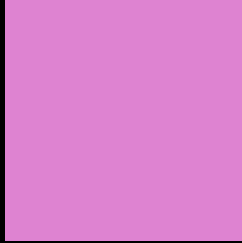
Large Text (above 18pt) WCAG AA × Fail

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 36.3656, 0.3298, 0.2411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

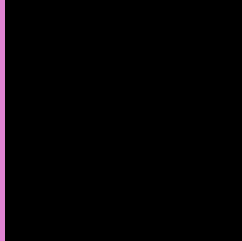
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3656, 0.3298, 0.2411

Background



This preview shows how black text looks on a background with the Yxy color 36.3656, 0.3298, 0.2411.



This preview shows how white text looks on a background with the Yxy color 36.3656, 0.3298, 0.2411.

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

36.3656, 0.3298, 0.2411

Protanopia

36.9220, 0.2449, 0.2370

Deuteranopia

36.7703, 0.2751, 0.2692



Tritanopia

36.3919, 0.3796, 0.3169

Trichromacy



Original Color

36.3656, 0.3298, 0.2411



Protanomaly

35.6865, 0.2701, 0.2363



Deuteranomaly

35.7749, 0.2928, 0.2558



Tritanomaly

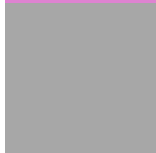
36.3878, 0.3620, 0.2883

Monochromacy



Original Color

36.3656, 0.3298, 0.2411



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.0534, 0.3193, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3656, 0.3298, 0.2411 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(222, 131, 209)` looks like.

```
.text, #text, p{  
    color:rgb(222, 131, 209)  
}
```

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(222, 131, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 131, 209) }
```

Border

The CSS property to change the border of an element to Yxy 36.3656, 0.3298, 0.2411 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(222, 131, 209) }
```

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

```
.border{ border-color:rgb(222, 131, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 131, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 131, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 131, 209);  
box-shadow:4px 4px 4px 4px rgb(222, 131,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3656, 0.3298, 0.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 131, 209) }
```

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

```
.background{ background-color: rgb(222,  
131, 209) }
```

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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