

Converting Colors

$Y_{xy}(36.2310, 0.3059, 0.2279)$

Have a look what the booklet for
Yxy(36.2310, 0.3059, 0.2279)
contains.

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Color

Yxy(36.2268, 0.3060, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	D386DF
RGB	211, 134, 223
RGB Percent	83%, 53%, 87%
CMY	0.1726, 0.4745, 0.1255
CMYK	0.05, 0.40, 0.00, 0.13
HSL	292°, 58%, 70%
HSV	292°, 40%, 87%
XYZ	48.7056, 36.2268, 74.2363
YIQ	167.1690, 17.3230, 44.0030

Conversions

Conversions Part 2

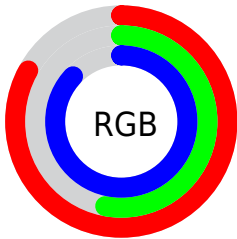
Format	Color
R _Y B	211, 134, 223
Decimal	13862623
CIE Lab	66.69, 43.68, -33.45
CIE LCh	67, 55.019, 322.551
Yxy	36.2268, 0.3060, 0.2276
Android (android.graphics.Color)	4292052703 (0xFFD386DF)
YUV	167.1690, 27.5247, 38.4398
Hunter-Lab	60.1887, 39.1147, -30.9957

Details

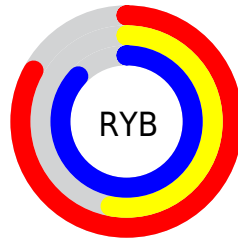
The Yxy color **36.2268, 0.3060, 0.2276** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.6093, 0.3148, 0.4484**, and the grayscale version is **38.5884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **15.7932, 0.3027, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **30.2595, 0.3034, 0.2036**, and if you desaturate by 10%, it is **43.5052, 0.3082, 0.2531**.

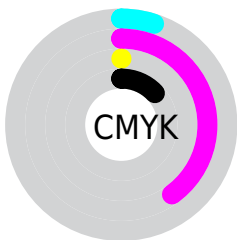
Distribution



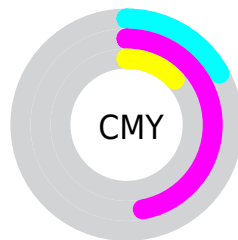
- Red (83%)
- Green (53%)
- Blue (87%)



- Red (83%)
- Yellow (53%)
- Blue (87%)



- Cyan (5%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)





- Cyan (17%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2268, 0.3060, 0.2276 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 36.2268, 0.3060, 0.2276 by changing the saturation by 10% instead.


 36.2268, 0.3060,
0.2276


 36.2268, 0.3060,
0.2276


329.9508, 0.3110,
0.2758


 24.6094, 0.3043,
0.2164


 69.3820, 0.3082,
0.2445

 15.7863, 0.3019,
0.2026

 91.6886, 0.3089,
0.2510

 9.3731, 0.2983,
0.1852


 118.3270, 0.3094,
0.2566

 4.9853, 0.2927,
0.1626

149.6817, 0.3099,
0.2614

 2.2386, 0.2833,
0.1326

186.1370, 0.3102,
0.2657

 0.7409, 0.2660,
0.0915

228.0774, 0.3105,


 0.0000, 0.2375,


0.2694


0.0000


275.8871, 0.3108,
0.2728


 0.0000, 0.0000,
0.0000


 36.2268, 0.3060,
0.2276


 36.2268, 0.3060,
0.2276


 30.2595, 0.3034,
0.2036


 43.5052, 0.3082,
0.2531


 25.5161, 0.3004,
0.1821


 52.1653, 0.3101,
0.2790


 21.9064, 0.2971,
0.1641

 62.2780, 0.3116,
0.3046


 19.3256, 0.2937,
0.1502


 73.9082, 0.3127,
0.3292

 17.6493, 0.2902,
0.1408


 87.1168, 0.3136,
0.3525


 16.6609, 0.2867,
0.1353

 93.5134, 0.3149,
0.3618

 16.6525, 0.2866,
0.1353

 94.0129, 0.3168,
0.3616

 94.5210, 0.3187,
0.3614

 95.0378, 0.3206,
0.3612

Harmonies

Analogous

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



36.2268, 0.2330, 0.2063



36.2268, 0.3060, 0.2276



36.2268, 0.3919, 0.2690

Triad

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



36.2268, 0.3060, 0.2276



36.2268, 0.4454, 0.4415



36.2268, 0.1846, 0.3080

Complementary

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



36.2268, 0.3060, 0.2276



60.6093, 0.3148, 0.4484

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.



36.2268, 0.2300, 0.3983



36.2268, 0.3060, 0.2276



36.2268, 0.3802, 0.4804

Square

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



36.2268, 0.3060, 0.2276



36.2268, 0.4771, 0.3835



36.2268, 0.3014, 0.4694



36.2268, 0.1710, 0.2419

Rectangle

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



36.2268, 0.3060, 0.2276



36.2268, 0.4408, 0.3044



36.2268, 0.3014, 0.4694



36.2268, 0.1962, 0.3368

Sweetspot

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



36.2284, 0.3060, 0.2276



81.2317, 0.3113, 0.2991



31.3764, 0.2418, 0.2255



16.9887, 0.3111, 0.2957



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.



36.2284, 0.3060, 0.2276



42.1463, 0.3038, 0.2072



36.5405, 0.3479, 0.2624



13.8369, 0.3116, 0.3058



9.8278, 0.2872, 0.1356



0.7075, 0.2927, 0.1386

Inverse Universe

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



34.8171, 0.3993, 0.3149



40.0995, 0.4283, 0.3122



60.5665, 0.2894, 0.4073



13.7305, 0.3271, 0.3259



9.2892, 0.6218, 0.3199



0.6537, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 36.2268, 0.3060, 0.2276 looks on a white background.

Color Contrast Check

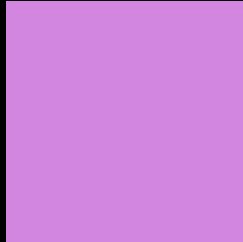
Large Text (above 18pt) WCAG AA × Fail

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 36.2268, 0.3060, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

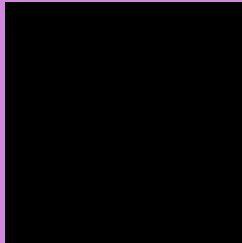
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2268, 0.3060, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 36.2268, 0.3060, 0.2276.



This preview shows how white text looks on a background with the Yxy color 36.2268, 0.3060, 0.2276.

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

36.2268, 0.3060, 0.2276

Protanopia

36.7416, 0.2332, 0.2212

Deuteranopia

36.4066, 0.2569, 0.2510



Tritanopia

36.2396, 0.3581, 0.3149

Trichromacy



Original Color

36.2268, 0.3060, 0.2276



Protanomaly

35.8707, 0.2552, 0.2227



Deuteranomaly

35.8466, 0.2724, 0.2407



Tritanomaly

36.0015, 0.3384, 0.2805

Monochromacy



Original Color

36.2268, 0.3060, 0.2276



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.0978, 0.3109, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2268, 0.3060, 0.2276 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, 134, 223)` looks like.

```
.text, #text, p{  
    color:rgb(211, 134, 223)  
}
```

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, 134, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 134, 223) }
```

Border

The CSS property to change the border of an element to Yxy 36.2268, 0.3060, 0.2276 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, 134, 223) }
```

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

```
.border{ border-color:rgb(211, 134, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 134, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 134, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 134, 223); box-shadow:4px 4px 4px 4px rgb(211, 134, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2268, 0.3060, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 134, 223) }
```

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

```
.background{ background-color: rgb(211,  
134, 223) }
```

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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