

Converting Colors

$Y_{xy}(37.5235, 0.3180, 0.2375)$

Have a look what the booklet for
Yxy(37.5235, 0.3180, 0.2375)
contains.

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Color

Yxy(37.5235, 0.3180, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	DA88D9
RGB	218, 136, 217
RGB Percent	85%, 53%, 85%
CMY	0.1451, 0.4667, 0.1491
CMYK	0.00, 0.38, 0.00, 0.15
HSL	301°, 53%, 69%
HSV	301°, 38%, 85%
XYZ	50.2420, 37.5235, 70.2282
YIQ	169.7520, 22.8710, 42.5750

Conversions

Conversions Part 2

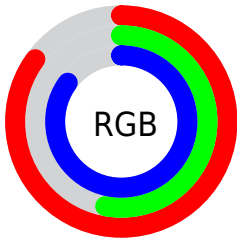
Format	Color
RYB	218, 136, 217
Decimal	14321881
CIELab	67.67, 43.64, -28.55
CIELCh	68, 52.147, 326.810
Yxy	37.5235, 0.3180, 0.2375
Android (android.graphics.Color)	4292511961 (0xFFDA88D9)
YUV	169.7520, 23.2933, 42.3135
Hunter-Lab	61.2564, 39.2054, -25.0943

Details

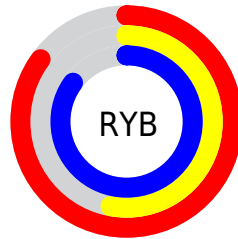
The Yxy color **37.5235, 0.3180, 0.2375** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.1895, 0.3068, 0.4414**, and the grayscale version is **39.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **16.6307, 0.3181, 0.2151** is the 20% darker color. If you saturate the color by 10%, you get **31.9820, 0.3194, 0.2153**, and if you desaturate by 10%, it is **44.3172, 0.3166, 0.2614**.

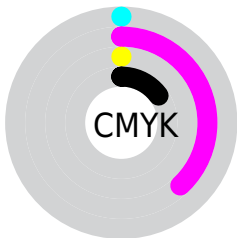
Distribution



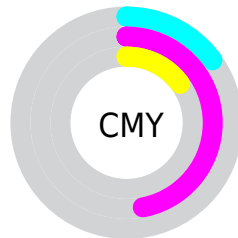
- Red (85%)
- Green (53%)
- Blue (85%)



- Red (85%)
- Yellow (53%)
- Blue (85%)



- Cyan (0%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5235, 0.3180, 0.2375 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 37.5235, 0.3180, 0.2375 by changing the saturation by 10% instead.

 37.5235, 0.3180,
0.2375


 37.5235, 0.3180,
0.2375


335.5715, 0.3167,
0.2811


 25.6131, 0.3180,
0.2273


 71.3772, 0.3178,
0.2528

 16.5344, 0.3177,
0.2147


 94.0893, 0.3177,
0.2587

 9.9031, 0.3170,
0.1986


 121.1707, 0.3175,
0.2638

 5.3348, 0.3154,
0.1775

153.0058, 0.3173,
0.2682

 2.4450, 0.3119,
0.1491

189.9790, 0.3171,
0.2720

 0.8489, 0.3036,
0.1097

232.4748, 0.3170,


 0.0000, 0.2986,


0.2754


0.0000


280.8775, 0.3168,
0.2784


 0.0000, 0.0000,
0.0000

 37.5235, 0.3180,
0.2375


 37.5235, 0.3180,
0.2375


 31.9820, 0.3194,
0.2153


 44.3172, 0.3166,
0.2614


 27.6115, 0.3207,
0.1958


 52.4278, 0.3151,
0.2861


 24.3291, 0.3218,
0.1797


 61.9217, 0.3137,
0.3107


 22.0391, 0.3227,
0.1678


 72.8592, 0.3124,
0.3346


 20.6289, 0.3235,
0.1602

 85.2971, 0.3112,
0.3574

 19.9438, 0.3240,
0.1565

 91.5215, 0.3106,
0.3671

 19.8276, 0.3241,
0.1559

 91.5358, 0.3104,
0.3669

 91.5502, 0.3102,
0.3666

 91.5646, 0.3101,
0.3663

Harmonies

Analogous

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



37.5235, 0.2461, 0.2142



37.5235, 0.3180, 0.2375



37.5235, 0.3979, 0.2793

Triad

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



37.5235, 0.3180, 0.2375



37.5235, 0.4312, 0.4429



37.5235, 0.1880, 0.2993

Complementary

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



37.5235, 0.3180, 0.2375



57.1895, 0.3068, 0.4414

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.



37.5235, 0.2273, 0.3817



37.5235, 0.3180, 0.2375



37.5235, 0.3671, 0.4729

Square

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



37.5235, 0.3180, 0.2375



37.5235, 0.4659, 0.3900



37.5235, 0.2924, 0.4530



37.5235, 0.1789, 0.2411

Rectangle

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



37.5235, 0.3180, 0.2375



37.5235, 0.4404, 0.3141



37.5235, 0.2924, 0.4530



37.5235, 0.1977, 0.3252

Sweetspot

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



37.5252, 0.3180, 0.2375



83.3682, 0.3142, 0.3022



27.9064, 0.2440, 0.2154



17.4430, 0.3144, 0.2988



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.



37.5252, 0.3180, 0.2375



47.2171, 0.3191, 0.2200



35.6909, 0.3583, 0.2801



13.2719, 0.3140, 0.3063



11.8789, 0.3240, 0.1559



0.7705, 0.3235, 0.1556

Inverse Universe

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



37.5252, 0.3180, 0.2375



47.2171, 0.3191, 0.2200



58.5570, 0.2833, 0.3844



13.2719, 0.3140, 0.3063



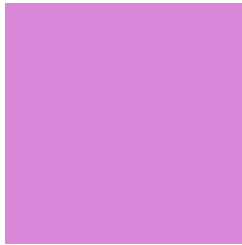
11.8789, 0.3240, 0.1559



0.7705, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 37.5235, 0.3180, 0.2375 looks on a white background.

Color Contrast Check

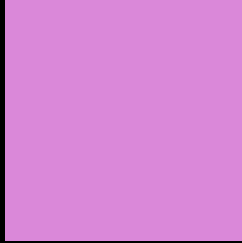
Large Text (above 18pt) WCAG AA × Fail

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 37.5235, 0.3180, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

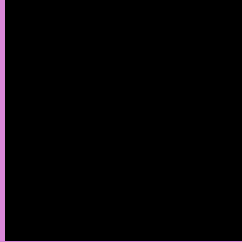
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5235, 0.3180, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 37.5235, 0.3180, 0.2375.



This preview shows how white text looks on a background with the Yxy color 37.5235, 0.3180, 0.2375.

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

37.5235, 0.3180, 0.2375

Protanopia

38.0302, 0.2414, 0.2323

Deuteranopia

37.6620, 0.2680, 0.2621



Tritanopia

37.5319, 0.3674, 0.3154

Trichromacy



Original Color

37.5235, 0.3180, 0.2375



Protanomaly

36.9307, 0.2648, 0.2326



Deuteranomaly

37.2212, 0.2847, 0.2516



Tritanomaly

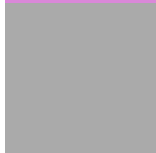
37.5379, 0.3494, 0.2855

Monochromacy



Original Color

37.5235, 0.3180, 0.2375



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6064, 0.3145, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5235, 0.3180, 0.2375 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(218, 136, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 136, 217)  
}
```

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(218, 136, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 136, 217) }
```

Border

The CSS property to change the border of an element to Yxy 37.5235, 0.3180, 0.2375 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(218, 136, 217) }
```

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

```
.border{ border-color:rgb(218, 136, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 136, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 136, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 136, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 136,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5235, 0.3180, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 136, 217) }
```

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

```
.background{ background-color: rgb(218,  
136, 217) }
```

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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