

Converting Colors

Yxy(37.9465, 0.3064, 0.2242)

Have a look what the booklet for
Yxy(37.9465, 0.3064, 0.2242)
contains.

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Color

Yxy(37.9465, 0.3064, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	DA87E6
RGB	218, 135, 230
RGB Percent	85%, 53%, 90%
CMY	0.1451, 0.4706, 0.0981
CMYK	0.05, 0.41, 0.00, 0.10
HSL	292°, 66%, 72%
HSV	292°, 41%, 90%
XYZ	51.8591, 37.9465, 79.4473
YIQ	170.6470, 18.9730, 47.1410

Conversions

Conversions Part 2

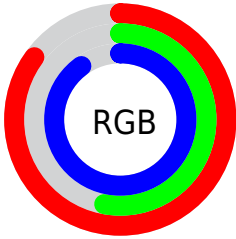
Format	Color
RYB	218, 135, 230
Decimal	14321638
CIELab	67.98, 46.58, -35.26
CIElCh	68, 58.421, 322.877
Yxy	37.9465, 0.3064, 0.2242
Android (android.graphics.Color)	4292511718 (0xFFDA87E6)
YUV	170.6470, 29.2610, 41.5286
Hunter-Lab	61.6007, 42.4704, -33.3466

Details

The Yxy color **37.9465, 0.3064, 0.2242** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **64.5413, 0.3142, 0.4537**, and the grayscale version is **40.3833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **16.6676, 0.3020, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **31.7646, 0.3040, 0.2006**, and if you desaturate by 10%, it is **45.5256, 0.3085, 0.2495**.

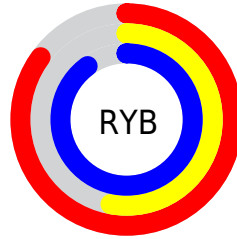
Distribution



Red (85%)

Green (53%)

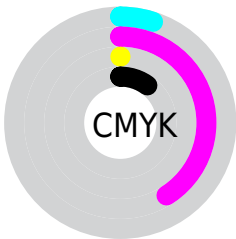
Blue (90%)



Red (85%)

Yellow (53%)

Blue (90%)

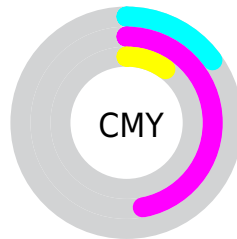


Cyan (5%)

Magenta (41%)

Yellow (0%)

Black (10%)



Cyan (15%)


Magenta (47%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9465, 0.3064, 0.2242 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 37.9465, 0.3064, 0.2242 by changing the saturation by 10% instead.

 37.9465, 0.3064,
0.2242


 37.9465, 0.3064,
0.2242

337.3904, 0.3113,
0.2733

 25.9412, 0.3047,
0.2130


 72.0261, 0.3085,
0.2413

 16.7796, 0.3024,
0.1992


 94.8692, 0.3092,
0.2479

 10.0775, 0.2989,
0.1819


 122.0937, 0.3098,
0.2536

 5.4504, 0.2935,
0.1597

154.0839, 0.3102,
0.2586

 2.5139, 0.2844,
0.1307

191.2243, 0.3106,
0.2630

 0.8836, 0.2680,
0.0924

233.8993, 0.3108,

 0.0000, 0.2457,

0.2668

0.0000


282.4932, 0.3111,
0.2703

 0.0000, 0.0000,
0.0000

 37.9465, 0.3064,
0.2242


 37.9465, 0.3064,
0.2242


 31.7646, 0.3040,
0.2006


 45.5256, 0.3085,
0.2495


 26.8848, 0.3012,
0.1797


 54.5792, 0.3102,
0.2753


 23.2080, 0.2981,
0.1624


 65.1845, 0.3116,
0.3010

 20.6185, 0.2949,
0.1494

 77.4121, 0.3126,
0.3259

 18.9779, 0.2917,
0.1409


 91.3282, 0.3134,
0.3494

 18.1243, 0.2888,
0.1365

 94.9667, 0.3149,
0.3542

 95.4661, 0.3167,
0.3540

 95.9736, 0.3186,
0.3539

 96.4893, 0.3204,
0.3538

Harmonies

Analogous

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



37.9465, 0.2304, 0.2020



37.9465, 0.3064, 0.2242



37.9465, 0.3963, 0.2670

Triad

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



37.9465, 0.3064, 0.2242



37.9465, 0.4496, 0.4457



37.9465, 0.1792, 0.3056

Complementary

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



37.9465, 0.3064, 0.2242



64.5413, 0.3142, 0.4537

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.



37.9465, 0.2255, 0.4006



37.9465, 0.3064, 0.2242



37.9465, 0.3813, 0.4872

Square

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



37.9465, 0.3064, 0.2242



37.9465, 0.4839, 0.3852



37.9465, 0.2994, 0.4762



37.9465, 0.1659, 0.2374

Rectangle

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



37.9465, 0.3064, 0.2242



37.9465, 0.4473, 0.3036



37.9465, 0.2994, 0.4762



37.9465, 0.1909, 0.3357

Sweetspot

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



37.9481, 0.3064, 0.2242



81.2813, 0.3115, 0.2991



31.9411, 0.2385, 0.2189



17.0004, 0.3113, 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.



37.9481, 0.3064, 0.2242



40.8623, 0.3042, 0.2029



38.0991, 0.3513, 0.2616



14.5181, 0.3118, 0.3057



10.2990, 0.2893, 0.1368



0.7870, 0.2942, 0.1394

Inverse Universe

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



36.2580, 0.4050, 0.3154



38.5695, 0.4371, 0.3128



64.6365, 0.2878, 0.4086



14.3975, 0.3273, 0.3261



9.5842, 0.6237, 0.3209



0.7179, 0.5914, 0.3032

Previews

White Background



This preview shows how the Yxy color 37.9465, 0.3064, 0.2242 looks on a white background.

Color Contrast Check

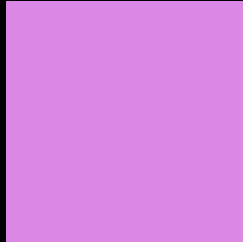
Large Text (above 18pt) WCAG AA × Fail

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 37.9465, 0.3064, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

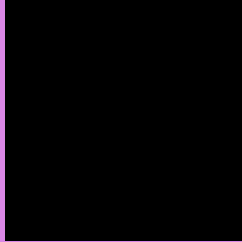
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9465, 0.3064, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 37.9465, 0.3064, 0.2242.



This preview shows how white text looks on a background with the Yxy color 37.9465, 0.3064, 0.2242.

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

37.9465, 0.3064, 0.2242

Protanopia

38.3546, 0.2294, 0.2164

Deuteranopia

38.3767, 0.2546, 0.2489



Tritanopia

37.9412, 0.3627, 0.3153

Trichromacy



Original Color

37.9465, 0.3064, 0.2242



Protanomaly

37.3744, 0.2522, 0.2172



Deuteranomaly

37.3272, 0.2709, 0.2367



Tritanomaly

37.7930, 0.3411, 0.2794

Monochromacy



Original Color

37.9465, 0.3064, 0.2242



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9509, 0.3110, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9465, 0.3064, 0.2242 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, 135, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 135, 230)  
}
```

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, 135, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 135, 230) }
```

Border

The CSS property to change the border of an element to Yxy 37.9465, 0.3064, 0.2242 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, 135, 230) }
```

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

```
.border{ border-color:rgb(218, 135, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 135, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 135, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 135, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 135,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9465, 0.3064, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 135, 230) }
```

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

```
.background{ background-color: rgb(218,  
135, 230) }
```

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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