

Converting Colors

$Y_{xy}(37.4928, 0.3032, 0.2244)$

Have a look what the booklet for
Yxy(37.4928, 0.3032, 0.2244)
contains.

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Color

Yxy(37.5616, 0.3036, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	D688E5
RGB	214, 136, 229
RGB Percent	84%, 53%, 90%
CMY	0.1607, 0.4667, 0.1020
CMYK	0.07, 0.41, 0.00, 0.10
HSL	290°, 64%, 72%
HSV	290°, 41%, 90%
XYZ	50.6831, 37.5616, 78.6957
YIQ	169.9240, 16.6350, 45.4590

Conversions

Conversions Part 2

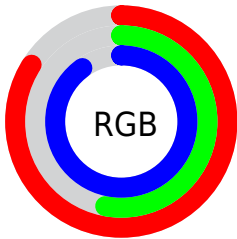
Format	Color
RYB	214, 136, 229
Decimal	14059749
CIELab	67.70, 44.70, -35.18
CIElCh	68, 56.882, 321.794
Yxy	37.5616, 0.3036, 0.2250
Android (android.graphics.Color)	4292249829 (0xFFD688E5)
YUV	169.9240, 29.1245, 38.6547
Hunter-Lab	61.2875, 40.3615, -33.2296

Details

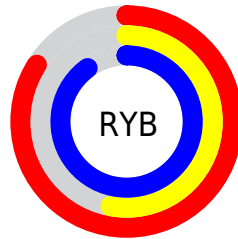
The Yxy color **37.5616, 0.3036, 0.2250** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3816, 0.3163, 0.4505**, and the grayscale version is **40.0057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **16.6269, 0.2994, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **31.2404, 0.3002, 0.2007**, and if you desaturate by 10%, it is **45.2762, 0.3065, 0.2507**.

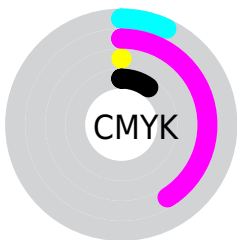
Distribution



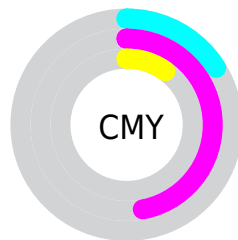
- Red (84%)
- Green (53%)
- Blue (90%)



- Red (84%)
- Yellow (53%)
- Blue (90%)



- Cyan (7%)
- Magenta (41%)
- Yellow (0%)
- Black (10%)





- Cyan (16%)
- Magenta (47%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5616, 0.3036, 0.2250 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 37.5616, 0.3036, 0.2250 by changing the saturation by 10% instead.


 37.5616, 0.3036,
0.2250


 37.5616, 0.3036,
0.2250


335.7356, 0.3098,
0.2739

 25.6426, 0.3016,
0.2138


 71.4357, 0.3062,
0.2420

 16.5565, 0.2988,
0.2000


 94.1596, 0.3071,
0.2487

 9.9188, 0.2948,
0.1826


 121.2539, 0.3078,
0.2544

 5.3451, 0.2886,
0.1603

153.1030, 0.3084,
0.2593

 2.4512, 0.2785,
0.1310

190.0914, 0.3088,
0.2636

 0.8520, 0.2605,
0.0922


232.6033, 0.3092,


 0.0000, 0.2348,


0.2675


0.0000


281.0232, 0.3096,
0.2709


 0.0000, 0.0000,
0.0000


 37.5616, 0.3036,
0.2250


 37.5616, 0.3036,
0.2250


 31.2404, 0.3002,
0.2007


 45.2762, 0.3065,
0.2507


 26.2190, 0.2965,
0.1789


 54.4601, 0.3090,
0.2769


 22.4003, 0.2924,
0.1606


 65.1896, 0.3110,
0.3027

 19.6710, 0.2882,
0.1465

 77.5341, 0.3126,
0.3275


 17.8961, 0.2840,
0.1370

 91.5588, 0.3139,
0.3509

 16.8841, 0.2800,
0.1316

 95.0304, 0.3159,
0.3552

 95.6676, 0.3183,
0.3550

 96.3180, 0.3206,
0.3548

 96.9814, 0.3229,
0.3546

Harmonies

Analogous

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



37.5616, 0.2299, 0.2040



37.5616, 0.3036, 0.2250



37.5616, 0.3914, 0.2665

Triad

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



37.5616, 0.3036, 0.2250



37.5616, 0.4490, 0.4419



37.5616, 0.1829, 0.3095

Complementary

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



37.5616, 0.3036, 0.2250



64.3816, 0.3163, 0.4505

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.



37.5616, 0.2298, 0.4022



37.5616, 0.3036, 0.2250



37.5616, 0.3830, 0.4830

Square

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



37.5616, 0.3036, 0.2250



37.5616, 0.4806, 0.3825



37.5616, 0.3029, 0.4739



37.5616, 0.1686, 0.2413

Rectangle

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



37.5616, 0.3036, 0.2250



37.5616, 0.4419, 0.3023



37.5616, 0.3029, 0.4739



37.5616, 0.1949, 0.3391

Sweetspot

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



37.5632, 0.3036, 0.2250



81.0852, 0.3108, 0.2990



33.1814, 0.2406, 0.2253



16.9540, 0.3105, 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.



37.5632, 0.3036, 0.2250



40.8450, 0.3007, 0.2038



38.3382, 0.3472, 0.2595



14.4917, 0.3112, 0.3057



9.6992, 0.2807, 0.1320



0.7483, 0.2869, 0.1354

Inverse Universe

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



36.4942, 0.3990, 0.3118



39.4452, 0.4283, 0.3086



64.0533, 0.2899, 0.4113



14.4056, 0.3267, 0.3252



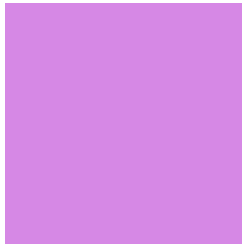
9.6115, 0.6166, 0.3170



0.7218, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 37.5616, 0.3036, 0.2250 looks on a white background.

Color Contrast Check

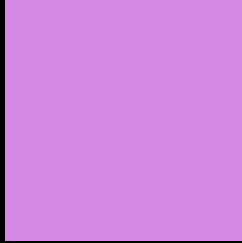
Large Text (above 18pt) WCAG AA × Fail

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 37.5616, 0.3036, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

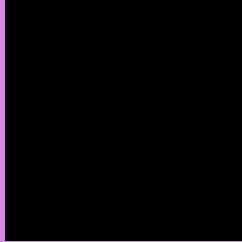
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5616, 0.3036, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 37.5616, 0.3036, 0.2250.

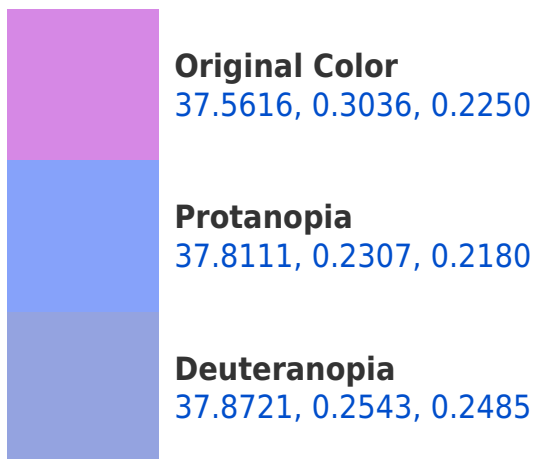


This preview shows how white text looks on a background with the Yxy color 37.5616, 0.3036, 0.2250.

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





Tritanopia

37.4005, 0.3575, 0.3139

Trichromacy



Original Color

37.5616, 0.3036, 0.2250



Protanomaly

36.9798, 0.2525, 0.2196



Deuteranomaly

37.0441, 0.2700, 0.2374



Tritanomaly

37.2059, 0.3372, 0.2788

Monochromacy



Original Color

37.5616, 0.3036, 0.2250



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6544, 0.3100, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5616, 0.3036, 0.2250 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(214, 136, 229)` looks like.

```
.text, #text, p{  
    color:rgb(214, 136, 229)  
}
```

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(214, 136, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 136, 229) }
```

Border

The CSS property to change the border of an element to Yxy 37.5616, 0.3036, 0.2250 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(214, 136, 229) }
```

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

```
.border{ border-color:rgb(214, 136, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 136, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 136, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 136, 229);  
box-shadow:4px 4px 4px 4px rgb(214, 136,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5616, 0.3036, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 136, 229) }
```

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

```
.background{ background-color: rgb(214,  
136, 229) }
```

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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