

Converting Colors

$Y_{xy}(36.7473, 0.3173, 0.2327)$

Have a look what the booklet for
Yxy(36.7473, 0.3173, 0.2327)
contains.

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Color

Yxy(36.7424, 0.3172, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	DA85DA
RGB	218, 133, 218
RGB Percent	85%, 52%, 85%
CMY	0.1451, 0.4784, 0.1451
CMYK	0.00, 0.39, 0.00, 0.15
HSL	300°, 53%, 69%
HSV	300°, 39%, 85%
XYZ	49.9558, 36.7424, 70.7917
YIQ	168.1050, 23.3750, 44.4550

Conversions

Conversions Part 2

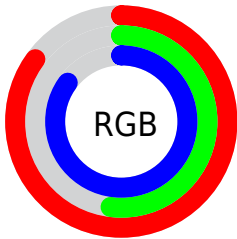
Format	Color
R _Y B	218, 133, 218
Decimal	14321114
CIE Lab	67.08, 45.39, -30.02
CIE LCh	67, 54.417, 326.525
Yxy	36.7424, 0.3172, 0.2333
Android (android.graphics.Color)	4292511194 (0xFFDA85DA)
YUV	168.1050, 24.5982, 43.7579
Hunter-Lab	60.6155, 41.0323, -26.8128

Details

The Yxy color **36.7424, 0.3172, 0.2333** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.8265, 0.3071, 0.4478**, and the grayscale version is **39.0816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.1063, 0.3156, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **31.3809, 0.3182, 0.2112**, and if you desaturate by 10%, it is **43.3459, 0.3161, 0.2573**.

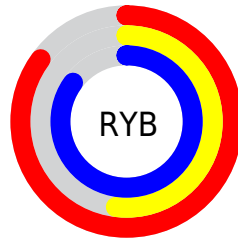
Distribution



Red (85%)

Green (52%)

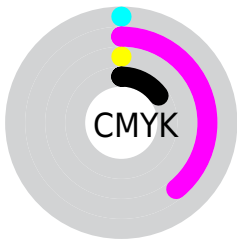
Blue (85%)



Red (85%)

Yellow (52%)

Blue (85%)

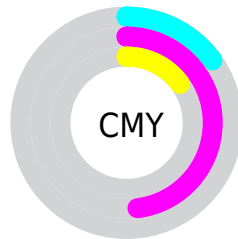


Cyan (0%)

Magenta (39%)

Yellow (0%)

Black (15%)



Cyan (15%)

Magenta (48%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7424, 0.3172, 0.2333 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 36.7424, 0.3172, 0.2333 by changing the saturation by 10% instead.


 36.7424, 0.3172,
0.2333


 36.7424, 0.3172,
0.2333


332.1939, 0.3164,
0.2788


 25.0081, 0.3170,
0.2227


 70.1764, 0.3172,
0.2493

 16.0831, 0.3165,
0.2095


 92.6449, 0.3171,
0.2555

 9.5830, 0.3154,
0.1928


 119.4603, 0.3170,
0.2607

 5.1233, 0.3133,
0.1711

151.0069, 0.3169,
0.2653

 2.3198, 0.3090,
0.1419

187.6692, 0.3168,
0.2693

 0.7842, 0.2993,
0.1015

229.8315, 0.3167,

 0.0000, 0.2883,

0.2729

0.0000

277.8783, 0.3165,
0.2760


 0.0000, 0.0000,
0.0000


 36.7424, 0.3172,
0.2333


 36.7424, 0.3172,
0.2333


 31.3809, 0.3182,
0.2112


 43.3459, 0.3161,
0.2573


 27.1793, 0.3191,
0.1920


 51.2570, 0.3149,
0.2821

 24.0533, 0.3199,
0.1764


 60.5426, 0.3137,
0.3071


 21.9052, 0.3204,
0.1650


 71.2638, 0.3126,
0.3314


 20.6197, 0.3207,
0.1579


 83.4776, 0.3115,
0.3546

 20.0139, 0.3209,
0.1544

 91.4889, 0.3109,
0.3678

 19.9661, 0.3209,
0.1541

 91.4892, 0.3109,
0.3678

 91.4894, 0.3109,
0.3678

 91.4897, 0.3109,
0.3678

Harmonies

Analogous

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



36.7424, 0.2423, 0.2094



36.7424, 0.3172, 0.2333



36.7424, 0.4013, 0.2764

Triad

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



36.7424, 0.3172, 0.2333



36.7424, 0.4366, 0.4469



36.7424, 0.1827, 0.2980

Complementary

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



36.7424, 0.3172, 0.2333



56.8265, 0.3071, 0.4478

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.



36.7424, 0.2236, 0.3853



36.7424, 0.3172, 0.2333



36.7424, 0.3696, 0.4801

Square

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



36.7424, 0.3172, 0.2333



36.7424, 0.4732, 0.3911



36.7424, 0.2916, 0.4607



36.7424, 0.1733, 0.2371

Rectangle

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



36.7424, 0.3172, 0.2333



36.7424, 0.4464, 0.3123



36.7424, 0.2916, 0.4607



36.7424, 0.1928, 0.3253

Sweetspot

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



36.7440, 0.3172, 0.2333



82.0062, 0.3141, 0.2993



27.2163, 0.2413, 0.2125



17.1723, 0.3143, 0.2961



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.



36.7440, 0.3172, 0.2333



45.8482, 0.3181, 0.2146



34.8539, 0.3590, 0.2767



13.2748, 0.3138, 0.3060



11.9612, 0.3209, 0.1541



0.7749, 0.3209, 0.1541

Inverse Universe

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



33.3765, 0.4098, 0.3293



40.3836, 0.4430, 0.3294



58.1919, 0.2832, 0.3888



13.0516, 0.3292, 0.3290



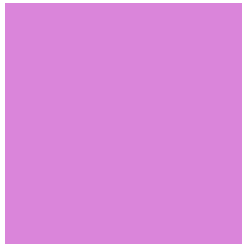
8.9299, 0.6401, 0.3300



0.5785, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 36.7424, 0.3172, 0.2333 looks on a white background.

Color Contrast Check

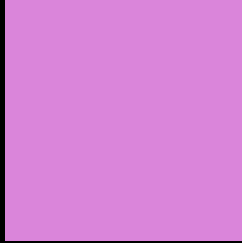
Large Text (above 18pt) WCAG AA × Fail

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 36.7424, 0.3172, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

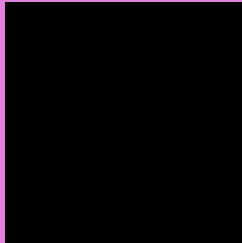
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7424, 0.3172, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 36.7424, 0.3172, 0.2333.



This preview shows how white text looks on a background with the Yxy color 36.7424, 0.3172, 0.2333.

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

36.7424, 0.3172, 0.2333

Protanopia

37.1843, 0.2380, 0.2271

Deuteranopia

37.0661, 0.2649, 0.2591



Tritanopia

36.6937, 0.3691, 0.3154

Trichromacy



Original Color

36.7424, 0.3172, 0.2333



Protanomaly

36.1749, 0.2616, 0.2277



Deuteranomaly

36.3866, 0.2821, 0.2476



Tritanomaly

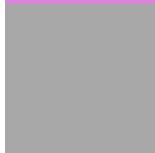
36.4506, 0.3500, 0.2829

Monochromacy



Original Color

36.7424, 0.3172, 0.2333



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.4270, 0.3146, 0.2884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7424, 0.3172, 0.2333 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, 133, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 133, 218)  
}
```

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, 133, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 133, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.7424, 0.3172, 0.2333 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, 133, 218) }
```

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

```
.border{ border-color:rgb(218, 133, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 133, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 133, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 133, 218);  
box-shadow:4px 4px 4px 4px rgb(218, 133,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7424, 0.3172, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 133, 218) }
```

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

```
.background{ background-color: rgb(218,  
133, 218) }
```

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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