

Converting Colors

$Y_{xy}(37.5723, 0.3165, 0.2281)$

Have a look what the booklet for
Yxy(37.5723, 0.3165, 0.2281)
contains.

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Color

Yxy(37.5723, 0.3165, 0.2281)

Conversions

Conversions Part 1

Format	Color
Hex	DF84E0
RGB	223, 132, 224
RGB Percent	87%, 52%, 88%
CMY	0.1255, 0.4823, 0.1216
CMYK	0.00, 0.41, 0.00, 0.12
HSL	299°, 60%, 70%
HSV	299°, 41%, 88%
XYZ	52.1334, 37.5723, 75.0128
YIQ	169.6970, 24.7040, 47.9040

Conversions

Conversions Part 2

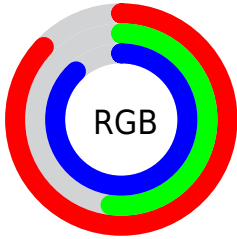
Format	Color
R _Y B	223, 132, 224
Decimal	14648544
CIE Lab	67.70, 48.49, -32.32
CIE LCh	68, 58.279, 326.316
Yxy	37.5723, 0.3165, 0.2281
Android (android.graphics.Color)	4292838624 (0xFFDF84E0)
YUV	169.6970, 26.7714, 46.7467
Hunter-Lab	61.2962, 44.5486, -29.6503

Details

The Yxy color **37.5723, 0.3165, 0.2281** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.9553, 0.3074, 0.4552**, and the grayscale version is **39.8965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **16.5261, 0.3159, 0.2040** is the 20% darker color. If you saturate the color by 10%, you get **32.0985, 0.3172, 0.2064**, and if you desaturate by 10%, it is **44.3535, 0.3157, 0.2519**.

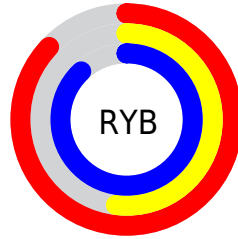
Distribution



Red (87%)

Green (52%)

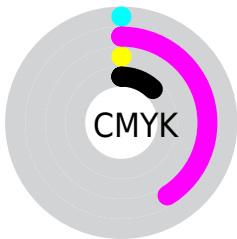
Blue (88%)



Red (87%)

Yellow (52%)

Blue (88%)

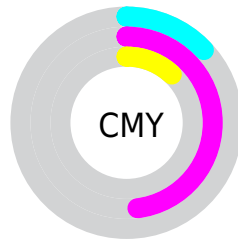


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (12%)



Cyan (13%)


Magenta (48%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5723, 0.3165, 0.2281 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 37.5723, 0.3165, 0.2281 by changing the saturation by 10% instead.

 37.5723, 0.3165,
0.2281


 37.5723, 0.3165,
0.2281


335.7817, 0.3162,
0.2756

 25.6509, 0.3161,
0.2172

 71.4521, 0.3168,
0.2447

 16.5627, 0.3154,
0.2037


 94.1793, 0.3167,
0.2511

 9.9232, 0.3140,
0.1867


 121.2773, 0.3167,
0.2566

 5.3481, 0.3115,
0.1648

153.1303, 0.3166,
0.2614

 2.4529, 0.3065,
0.1359

190.1229, 0.3165,
0.2656

 0.8529, 0.2959,
0.0970

232.6394, 0.3164,

 0.0000, 0.2842,

0.2694


0.0000


281.0642, 0.3163,
0.2727


 0.0000, 0.0000,
0.0000


 37.5723, 0.3165,
0.2281


 37.5723, 0.3165,
0.2281


 32.0985, 0.3172,
0.2064


 44.3535, 0.3157,
0.2519


 27.8429, 0.3178,
0.1876


 52.5138, 0.3147,
0.2768


 24.7130, 0.3182,
0.1727


 62.1257, 0.3138,
0.3019


 22.6010, 0.3183,
0.1619

 73.2552, 0.3128,
0.3264

 21.3781, 0.3183,
0.1555


 85.9642, 0.3119,
0.3500

 20.8431, 0.3182,
0.1527

 92.8185, 0.3115,
0.3610

 92.8571, 0.3116,
0.3610

 92.8958, 0.3118,
0.3610

 92.9346, 0.3119,
0.3610

Harmonies

Analogous

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



37.5723, 0.2377, 0.2032



37.5723, 0.3165, 0.2281



37.5723, 0.4062, 0.2729

Triad

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



37.5723, 0.3165, 0.2281



37.5723, 0.4432, 0.4521



37.5723, 0.1759, 0.2959

Complementary

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



37.5723, 0.3165, 0.2281



59.9553, 0.3074, 0.4552

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.



37.5723, 0.2185, 0.3895



37.5723, 0.3165, 0.2281



37.5723, 0.3722, 0.4894

Square

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



37.5723, 0.3165, 0.2281



37.5723, 0.4825, 0.3924



37.5723, 0.2900, 0.4705



37.5723, 0.1663, 0.2318

Rectangle

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



37.5723, 0.3165, 0.2281



37.5723, 0.4544, 0.3102



37.5723, 0.2900, 0.4705



37.5723, 0.1864, 0.3250

Sweetspot

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



37.5740, 0.3165, 0.2281



81.9442, 0.3139, 0.2993



27.2125, 0.2368, 0.2050



17.1576, 0.3140, 0.2960



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.



37.5740, 0.3165, 0.2281



44.2044, 0.3171, 0.2099



35.6269, 0.3626, 0.2738



13.9277, 0.3136, 0.3059



12.1378, 0.3183, 0.1527



0.8438, 0.3187, 0.1529

Inverse Universe

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



34.0443, 0.4166, 0.3281



38.8880, 0.4501, 0.3280



61.3618, 0.2819, 0.3927



13.7029, 0.3290, 0.3288



9.2284, 0.6389, 0.3293



0.6405, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 37.5723, 0.3165, 0.2281 looks on a white background.

Color Contrast Check

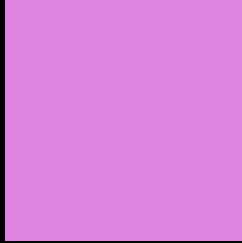
Large Text (above 18pt) WCAG AA × Fail

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 37.5723, 0.3165, 0.2281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

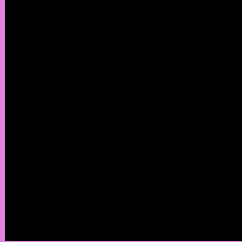
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5723, 0.3165, 0.2281

Background



This preview shows how black text looks on a background with the Yxy color 37.5723, 0.3165, 0.2281.



This preview shows how white text looks on a background with the Yxy color 37.5723, 0.3165, 0.2281.

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

37.5723, 0.3165, 0.2281

Protanopia

37.8522, 0.2328, 0.2202

Deuteranopia

37.9317, 0.2611, 0.2559



Tritanopia

37.3225, 0.3721, 0.3144

Trichromacy



Original Color

37.5723, 0.3165, 0.2281



Protanomaly

36.6900, 0.2578, 0.2211



Deuteranomaly

37.0888, 0.2792, 0.2436



Tritanomaly

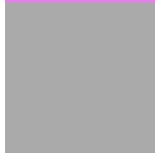
37.1789, 0.3509, 0.2801

Monochromacy



Original Color

37.5723, 0.3165, 0.2281



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.3135, 0.3138, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5723, 0.3165, 0.2281 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(223, 132, 224)` looks like.

```
.text, #text, p{  
    color:rgb(223, 132, 224)  
}
```

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(223, 132, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 132, 224) }
```

Border

The CSS property to change the border of an element to Yxy 37.5723, 0.3165, 0.2281 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(223, 132, 224) }
```

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

```
.border{ border-color:rgb(223, 132, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 132, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 132, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 132, 224);  
box-shadow:4px 4px 4px 4px rgb(223, 132,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5723, 0.3165, 0.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 132, 224) }
```

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

```
.background{ background-color: rgb(223,  
132, 224) }
```

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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