

Converting Colors

$Y_{xy}(37.3518, 0.3219, 0.2357)$

Have a look what the booklet for
Yxy(37.3518, 0.3219, 0.2357)
contains.

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Color

Yxy(37.3144, 0.3220, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	DE85D9
RGB	222, 133, 217
RGB Percent	87%, 52%, 85%
CMY	0.1293, 0.4785, 0.1490
CMYK	0.00, 0.40, 0.02, 0.13
HSL	303°, 57%, 70%
HSV	303°, 40%, 87%
XYZ	51.0418, 37.3144, 70.1587
YIQ	169.1870, 26.0800, 44.9920

Conversions

Conversions Part 2

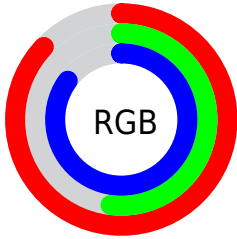
Format	Color
R _Y B	222, 133, 217
Decimal	14583257
CIE Lab	67.51, 46.44, -28.76
CIE LCh	68, 54.627, 328.235
Yxy	37.3144, 0.3220, 0.2354
Android (android.graphics.Color)	4292773337 (0xFFDE85D9)
YUV	169.1870, 23.5718, 46.3170
Hunter-Lab	61.0855, 42.2512, -25.3366

Details

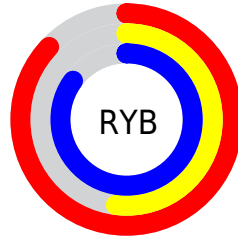
The Yxy color **37.3144, 0.3220, 0.2354** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.0774, 0.3041, 0.4449**, and the grayscale version is **39.6456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.3453, 0.3223, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **31.8013, 0.3246, 0.2144**, and if you desaturate by 10%, it is **44.1161, 0.3195, 0.2582**.

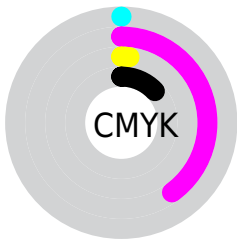
Distribution



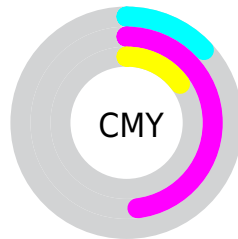
- Red (87%)
- Green (52%)
- Blue (85%)



- Red (87%)
- Yellow (52%)
- Blue (85%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (13%)





- Cyan (13%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3144, 0.3220, 0.2354 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 37.3144, 0.3220, 0.2354 by changing the saturation by 10% instead.


 37.3144, 0.3220,
0.2354


 37.3144, 0.3220,
0.2354


334.6697, 0.3187,
0.2799


 25.4510, 0.3224,
0.2250

 71.0561, 0.3211,
0.2510

 16.4134, 0.3227,
0.2122


 93.7031, 0.3207,
0.2570

 9.8172, 0.3228,
0.1959


 120.7136, 0.3203,
0.2622

 5.2779, 0.3222,
0.1746

152.4717, 0.3199,
0.2667

 2.4112, 0.3202,
0.1459

189.3620, 0.3196,
0.2706

 0.8317, 0.3141,
0.1064


231.7689, 0.3193,


 0.0000, 0.3124,

0.2741


0.0000


280.0766, 0.3190,
0.2771


 0.0000, 0.0000,
0.0000


 37.3144, 0.3220,
0.2354


 37.3144, 0.3220,
0.2354

 31.8013, 0.3246,
0.2144


 44.1161, 0.3195,
0.2582


 27.4901, 0.3272,
0.1961

 52.2759, 0.3170,
0.2819


 24.2915, 0.3297,
0.1814


 61.8642, 0.3148,
0.3057


 22.1015, 0.3319,
0.1709


 72.9453, 0.3127,
0.3288


 20.7967, 0.3340,
0.1648


 85.5793, 0.3109,
0.3508

 20.1618, 0.3358,
0.1623

 92.4637, 0.3097,
0.3606

 92.5321, 0.3090,
0.3592

 92.6010, 0.3083,
0.3579

 92.6705, 0.3076,
0.3566

Harmonies

Analogous

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



37.3144, 0.2460, 0.2102



37.3144, 0.3220, 0.2354



37.3144, 0.4056, 0.2794

Triad

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



37.3144, 0.3220, 0.2354



37.3144, 0.4333, 0.4496



37.3144, 0.1815, 0.2937

Complementary

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



37.3144, 0.3220, 0.2354



59.0774, 0.3041, 0.4449

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.



37.3144, 0.2205, 0.3800



37.3144, 0.3220, 0.2354



37.3144, 0.3652, 0.4804

Square

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



37.3144, 0.3220, 0.2354



37.3144, 0.4721, 0.3944



37.3144, 0.2873, 0.4574



37.3144, 0.1738, 0.2348

Rectangle

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



37.3144, 0.3220, 0.2354



37.3144, 0.4492, 0.3156



37.3144, 0.2873, 0.4574



37.3144, 0.1910, 0.3205

Sweetspot

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



37.3161, 0.3220, 0.2354



81.8959, 0.3152, 0.3010



27.4037, 0.2420, 0.2075



17.1461, 0.3155, 0.2978



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.



37.3161, 0.3220, 0.2354



44.7089, 0.3242, 0.2178



35.3255, 0.3675, 0.2818



13.9216, 0.3146, 0.3072



11.9783, 0.3355, 0.1622



0.8344, 0.3331, 0.1608

Inverse Universe

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



37.3161, 0.3220, 0.2354



44.7089, 0.3242, 0.2178



60.6178, 0.2792, 0.3825



13.9216, 0.3146, 0.3072



11.9783, 0.3355, 0.1622



0.8344, 0.3331, 0.1608

Previews

White Background



This preview shows how the Yxy color 37.3144, 0.3220, 0.2354 looks on a white background.

Color Contrast Check

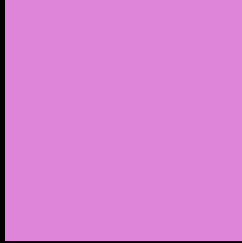
Large Text (above 18pt) WCAG AA × Fail

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 37.3144, 0.3220, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

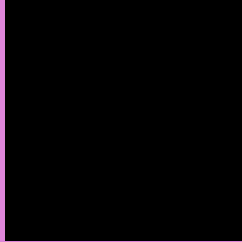
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3144, 0.3220, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 37.3144, 0.3220, 0.2354.



This preview shows how white text looks on a background with the Yxy color 37.3144, 0.3220, 0.2354.

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

37.3144, 0.3220, 0.2354

Protanopia

37.7074, 0.2395, 0.2288

Deuteranopia

37.6620, 0.2680, 0.2621



Tritanopia

37.2882, 0.3732, 0.3156

Trichromacy



Original Color

37.3144, 0.3220, 0.2354



Protanomaly

36.5055, 0.2640, 0.2283



Deuteranomaly

36.6916, 0.2855, 0.2493



Tritanomaly

37.0561, 0.3541, 0.2835

Monochromacy



Original Color

37.3144, 0.3220, 0.2354



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.0135, 0.3165, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3144, 0.3220, 0.2354 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(222, 133, 217)` looks like.

```
.text, #text, p{  
    color:rgb(222, 133, 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(222, 133, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 133, 217) }
```

Border

The CSS property to change the border of an element to Yxy 37.3144, 0.3220, 0.2354 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(222, 133, 217) }
```

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

```
.border{ border-color:rgb(222, 133, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 133, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 133, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 133, 217);  
box-shadow:4px 4px 4px 4px rgb(222, 133,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3144, 0.3220, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 133, 217) }
```

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

```
.background{ background-color: rgb(222,  
133, 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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