

Converting Colors

$Y_{xy}(40.8621, 0.3137, 0.2367)$

Have a look what the booklet for
Yxy(40.8621, 0.3137, 0.2367)
contains.

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Color

Yxy(40.8789, 0.3134, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	DF8FE3
RGB	223, 143, 227
RGB Percent	87%, 56%, 89%
CMY	0.1253, 0.4393, 0.1099
CMYK	0.02, 0.37, 0.00, 0.11
HSL	297°, 60%, 73%
HSV	297°, 37%, 89%
XYZ	54.1253, 40.8789, 77.6993
YIQ	176.4960, 20.7160, 43.0840

Conversions

Conversions Part 2

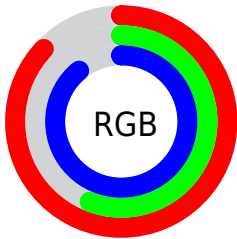
Format	Color
R _{YB}	223, 143, 227
Decimal	14651363
CIE Lab	70.09, 43.35, -30.29
CIE LCh	70, 52.888, 325.058
Yxy	40.8789, 0.3134, 0.2367
Android (android.graphics.Color)	4292841443 (0xFFDF8FE3)
YUV	176.4960, 24.8985, 40.7840
Hunter-Lab	63.9366, 39.2193, -27.2968

Details

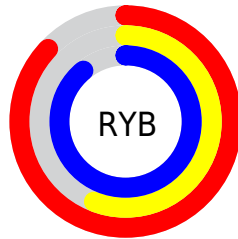
The Yxy color $40.8789, 0.3134, 0.2367$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $63.1101, 0.3100, 0.4402$, and the grayscale version is $43.5487, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.8682, 0.3153, 0.2732$, and $18.3596, 0.3117, 0.2141$ is the 20% darker color. If you saturate the color by 10%, you get $34.5730, 0.3132, 0.2135$, and if you desaturate by 10%, it is $48.5681, 0.3134, 0.2615$.

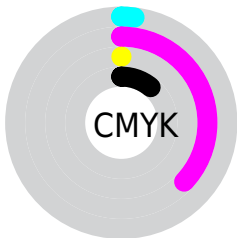
Distribution



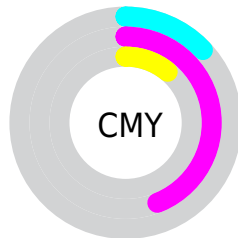
- Red (87%)
- Green (56%)
- Blue (89%)



- Red (87%)
- Yellow (56%)
- Blue (89%)



- Cyan (2%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)





- Cyan (13%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8789, 0.3134, 0.2367 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 40.8789, 0.3134, 0.2367 by changing the saturation by 10% instead.


 40.8789, 0.3134,
0.2367


 40.8789, 0.3134,
0.2367


349.8142, 0.3144,
0.2800

 28.2245, 0.3128,
0.2268


 76.5000, 0.3140,
0.2518

 18.4949, 0.3118,
0.2145


 100.2355, 0.3142,
0.2576

 11.3059, 0.3102,
0.1990


128.4335, 0.3143,
0.2627

 6.2730, 0.3076,
0.1790

161.4783, 0.3144,
0.2671

 3.0118, 0.3027,
0.1523

199.7544, 0.3144,
0.2709

 1.1379, 0.2929,
0.1159

243.6462, 0.3144,

 0.0101, 0.2896,

0.2743

0.0027

293.5380, 0.3144,
0.2773

■ 0.0000, 0.0167,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8789, 0.3134,
0.2367

■ 40.8789, 0.3134,
0.2367

■ 34.5730, 0.3132,
0.2135

■ 48.5681, 0.3134,
0.2615

■ 29.5613, 0.3128,
0.1927

■ 57.7119, 0.3132,
0.2868

■ 25.7530, 0.3122,
0.1754

■ 68.3830, 0.3130,
0.3119

■ 23.0429, 0.3114,
0.1622

■ 80.6479, 0.3126,
0.3361

■ 21.3080, 0.3105,
0.1534

■ 93.6200, 0.3122,
0.3576

■ 20.3886, 0.3094,
0.1486

■ 93.7955, 0.3129,
0.3576

■ 20.1922, 0.3090,
0.1476

■ 93.9720, 0.3136,
0.3575

■ 94.1496, 0.3142,
0.3575

■ 94.3282, 0.3149,
0.3574

Harmonies

Analogous

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



40.8789, 0.2435, 0.2149



40.8789, 0.3134, 0.2367



40.8789, 0.3924, 0.2772

Triad

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



40.8789, 0.3134, 0.2367



40.8789, 0.4328, 0.4390



40.8789, 0.1910, 0.3042

Complementary

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



40.8789, 0.3134, 0.2367



63.1101, 0.3100, 0.4402

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.



40.8789, 0.2316, 0.3858



40.8789, 0.3134, 0.2367



40.8789, 0.3708, 0.4702

Square

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



40.8789, 0.3134, 0.2367



40.8789, 0.4646, 0.3862



40.8789, 0.2971, 0.4538



40.8789, 0.1802, 0.2448

Rectangle

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



40.8789, 0.3134, 0.2367



40.8789, 0.4355, 0.3112



40.8789, 0.2971, 0.4538



40.8789, 0.2012, 0.3301

Sweetspot

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



40.8807, 0.3134, 0.2367



83.1416, 0.3131, 0.3018



32.3102, 0.2459, 0.2229



17.3885, 0.3131, 0.2983



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.



40.8807, 0.3134, 0.2367



47.0783, 0.3133, 0.2196



39.6524, 0.3531, 0.2762



14.5789, 0.3130, 0.3058



11.7927, 0.3092, 0.1477



0.8821, 0.3110, 0.1487

Inverse Universe

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



38.0748, 0.3986, 0.3246



42.9854, 0.4248, 0.3238



64.0961, 0.2860, 0.3892



14.3789, 0.3285, 0.3279



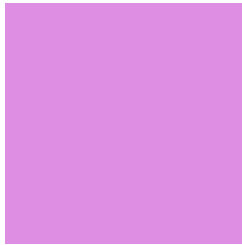
9.5426, 0.6349, 0.3271



0.7091, 0.6208, 0.3193

Previews

White Background



This preview shows how the Yxy color 40.8789, 0.3134, 0.2367 looks on a white background.

Color Contrast Check

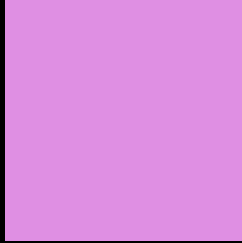
Large Text (above 18pt) WCAG AA × Fail

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 40.8789, 0.3134, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

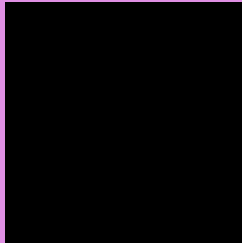
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8789, 0.3134, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 40.8789, 0.3134, 0.2367.



This preview shows how white text looks on a background with the Yxy color 40.8789, 0.3134, 0.2367.

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

40.8789, 0.3134, 0.2367

Protanopia

41.2944, 0.2416, 0.2320

Deuteranopia

41.2269, 0.2660, 0.2607



Tritanopia

40.6798, 0.3612, 0.3145

Trichromacy



Original Color

40.8789, 0.3134, 0.2367



Protanomaly

40.5468, 0.2637, 0.2325



Deuteranomaly

40.7138, 0.2818, 0.2506



Tritanomaly

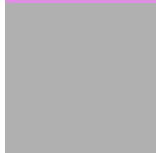
40.7128, 0.3431, 0.2841

Monochromacy



Original Color

40.8789, 0.3134, 0.2367



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.8285, 0.3127, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8789, 0.3134, 0.2367 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, 143, 227)` looks like.

```
.text, #text, p{  
    color:rgb(223, 143, 227)  
}
```

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, 143, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 143, 227) }
```

Border

The CSS property to change the border of an element to Yxy 40.8789, 0.3134, 0.2367 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, 143, 227) }
```

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

```
.border{ border-color:rgb(223, 143, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 143, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 143, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 143, 227);  
box-shadow:4px 4px 4px 4px rgb(223, 143,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8789, 0.3134, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 143, 227) }
```

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

```
.background{ background-color: rgb(223,  
143, 227) }
```

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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