

Converting Colors

$Y_{xy}(41.0624, 0.3018, 0.2042)$

Have a look what the booklet for
Yxy(41.0624, 0.3018, 0.2042)
contains.

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Color

Yxy(41.0181, 0.3017, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	EC82FF
RGB	236, 130, 255
RGB Percent	93%, 51%, 100%
CMY	0.0743, 0.4903, 0.0000
CMYK	0.07, 0.49, 0.00, 0.00
HSL	291°, 100%, 75%
HSV	291°, 49%, 100%
XYZ	60.6328, 41.0181, 99.3197
YIQ	175.9440, 23.0510, 61.3470

Conversions

Conversions Part 2

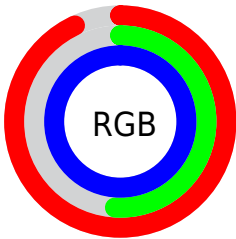
Format	Color
R _{YB}	236, 130, 255
Decimal	15500031
CIE Lab	70.19, 58.92, -45.36
CIE LCh	70, 74.358, 322.406
Yxy	41.0181, 0.3017, 0.2041
Android (android.graphics.Color)	4293690111 (0xFFEC82FF)
YUV	175.9440, 38.9746, 52.6691
Hunter-Lab	64.0454, 56.9095, -47.1134

Details

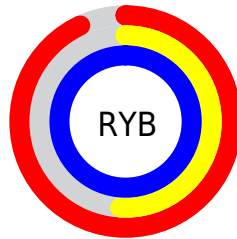
The Yxy color **41.0181, 0.3017, 0.2041** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5075, 0.3154, 0.4807**, and the grayscale version is **43.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **18.5743, 0.2958, 0.1769** is the 20% darker color. If you saturate the color by 10%, you get **34.4029, 0.2982, 0.1820**, and if you desaturate by 10%, it is **49.3315, 0.3048, 0.2287**.

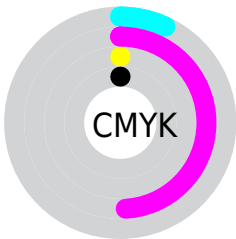
Distribution



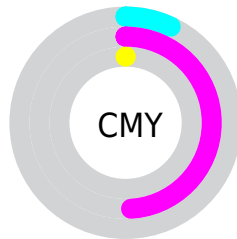
- Red (93%)
- Green (51%)
- Blue (100%)



- Red (93%)
- Yellow (51%)
- Blue (100%)



- Cyan (7%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0181, 0.3017, 0.2041 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 41.0181, 0.3017, 0.2041 by changing the saturation by 10% instead.


 41.0181, 0.3017,
0.2041

 41.0181, 0.3017,
0.2041


350.3963, 0.3095,
0.2603

 28.3332, 0.2993,
0.1919


 76.7114, 0.3049,
0.2231

 18.5770, 0.2959,
0.1773


 100.4886, 0.3061,
0.2306

 11.3650, 0.2912,
0.1594


 128.7320, 0.3069,
0.2372

 6.3129, 0.2842,
0.1374

161.8260, 0.3077,
0.2430

 3.0363, 0.2733,
0.1100

200.1551, 0.3083,
0.2480

 1.1507, 0.2553,
0.0762

244.1035, 0.3088,

 0.0209, 0.2317,

0.2526

0.0030

294.0558, 0.3092,
0.2566

0.0000, 0.1449,
0.0000

0.0000, 0.0000,
0.0000

41.0181, 0.3017,
0.2041

41.0181, 0.3017,
0.2041

34.4029, 0.2982,
0.1820

49.3315, 0.3048,
0.2287

29.3540, 0.2945,
0.1633

59.4513, 0.3074,
0.2546

25.7287, 0.2905,
0.1488

71.4832, 0.3096,
0.2808

23.3556, 0.2865,
0.1390

85.5229, 0.3114,
0.3066

■ 21.9815, 0.2825,
0.1332

99.9993, 0.3127,
0.3290

■ 21.8699, 0.2821,
0.1328

Harmonies

Analogous

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



41.0181, 0.2119, 0.1788



41.0181, 0.3017, 0.2041



41.0181, 0.4136, 0.2528

Triad

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



41.0181, 0.3017, 0.2041



41.0181, 0.4743, 0.4614



41.0181, 0.1534, 0.2983

Complementary

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



41.0181, 0.3017, 0.2041



79.5075, 0.3154, 0.4807

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.



41.0181, 0.2060, 0.4208



41.0181, 0.3017, 0.2041



41.0181, 0.3905, 0.5214

Square

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



41.0181, 0.3017, 0.2041



41.0181, 0.5201, 0.3873



41.0181, 0.2932, 0.5178



41.0181, 0.1395, 0.2170

Rectangle

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



41.0181, 0.3017, 0.2041



41.0181, 0.4779, 0.2943



41.0181, 0.2932, 0.5178



41.0181, 0.1664, 0.3362

Sweetspot

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



41.0199, 0.3017, 0.2041



76.8938, 0.3104, 0.2913



34.0382, 0.2233, 0.1985



15.8438, 0.3100, 0.2858



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.



41.0199, 0.3017, 0.2041



34.4202, 0.2982, 0.1820



42.0390, 0.3575, 0.2453



18.1527, 0.3114, 0.3054



11.4813, 0.2828, 0.1331



1.1540, 0.2874, 0.1357

Inverse Universe

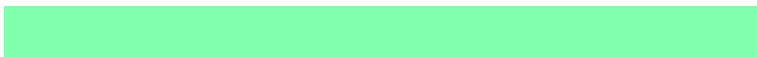
The Inverse Universe completely reimagines the original color for something new.



39.3864, 0.4297, 0.3098



32.8133, 0.4691, 0.3072



79.2228, 0.2862, 0.4330



18.0319, 0.3270, 0.3254



11.1975, 0.6195, 0.3186



1.1028, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 41.0181, 0.3017, 0.2041 looks on a white background.

Color Contrast Check

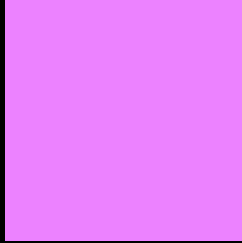
Large Text (above 18pt) WCAG AA × Fail

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 41.0181, 0.3017, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

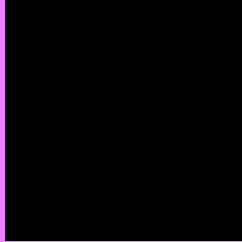
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0181, 0.3017, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 41.0181, 0.3017, 0.2041.



This preview shows how white text looks on a background with the Yxy color 41.0181, 0.3017, 0.2041.

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

41.0181, 0.3017, 0.2041

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.2775, 0.2382, 0.2315



Tritanopia

40.9481, 0.3751, 0.3161

Trichromacy



Original Color

41.0181, 0.3017, 0.2041



Protanomaly

39.8928, 0.2545, 0.2129



Deuteranomaly

39.6378, 0.2569, 0.2165

Tritanomaly

40.4260, 0.3470, 0.2701

Monochromacy



Original Color

41.0181, 0.3017, 0.2041



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.2098, 0.3090, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0181, 0.3017, 0.2041 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(236, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 130, 255)  
}
```

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(236, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.0181, 0.3017, 0.2041 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(236, 130, 255) }
```

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

```
.border{ border-color:rgb(236, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0181, 0.3017, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 130, 255) }
```

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

```
.background{ background-color: rgb(236,  
130, 255) }
```

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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