

Converting Colors

$Y_{xy}(41.6390, 0.3022, 0.2200)$

Have a look what the booklet for
Yxy(41.6390, 0.3022, 0.2200)
contains.

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Color

Yxy(41.7502, 0.3018, 0.2202)

Conversions

Conversions Part 1

Format	Color
Hex	E28DF4
RGB	226, 141, 244
RGB Percent	89%, 55%, 96%
CMY	0.1137, 0.4471, 0.0431
CMYK	0.07, 0.42, 0.00, 0.04
HSL	290°, 82%, 75%
HSV	290°, 42%, 96%
XYZ	57.2217, 41.7502, 90.6294
YIQ	178.1570, 17.5970, 50.0530

Conversions

Conversions Part 2

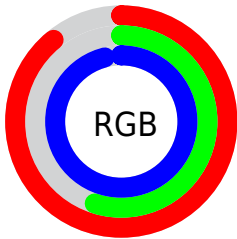
Format	Color
R _Y B	226, 141, 244
Decimal	14847476
CIE Lab	70.70, 48.49, -38.65
CIE LCh	71, 62.013, 321.442
Yxy	41.7502, 0.3018, 0.2202
Android (android.graphics.Color)	4293037556 (0xFFE28DF4)
YUV	178.1570, 32.4606, 41.9583
Hunter-Lab	64.6144, 45.0021, -37.9312

Details

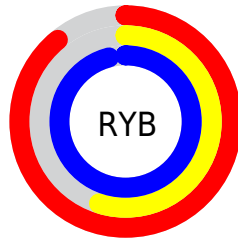
The Yxy color **41.7502, 0.3018, 0.2202** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.9925, 0.3172, 0.4561**, and the grayscale version is **44.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **19.0023, 0.2972, 0.1959** is the 20% darker color. If you saturate the color by 10%, you get **34.6519, 0.2980, 0.1959**, and if you desaturate by 10%, it is **50.4540, 0.3052, 0.2460**.

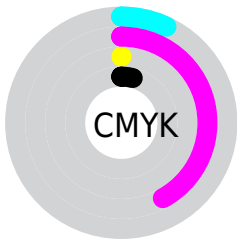
Distribution



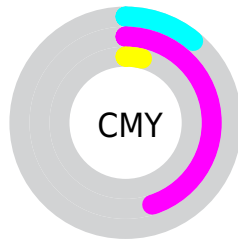
- Red (89%)
- Green (55%)
- Blue (96%)



- Red (89%)
- Yellow (55%)
- Blue (96%)



- Cyan (7%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)





- Cyan (11%)
- Magenta (45%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7502, 0.3018, 0.2202 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 41.7502, 0.3018, 0.2202 by changing the saturation by 10% instead.


 41.7502, 0.3018,
0.2202


 41.7502, 0.3018,
0.2202


353.4464, 0.3090,
0.2701

 28.9057, 0.2996,
0.2091


 77.8214, 0.3047,
0.2373

 19.0095, 0.2966,
0.1955


 101.8170, 0.3057,
0.2441

 11.6772, 0.2924,
0.1787


130.2984, 0.3066,
0.2499

 6.5243, 0.2862,
0.1576

163.6499, 0.3072,
0.2550

 3.1664, 0.2763,
0.1304

202.2562, 0.3078,
0.2594

 1.2192, 0.2597,
0.0952

246.5014, 0.3082,

 0.0773, 0.2382,

0.2634

0.0138

296.7700, 0.3086,
0.2669

0.0000, 0.1064,
0.0000

0.0000, 0.0000,
0.0000

41.7502, 0.3018,
0.2202

41.7502, 0.3018,
0.2202

34.6519, 0.2980,
0.1959

50.4540, 0.3052,
0.2460

29.0483, 0.2937,
0.1744

60.8538, 0.3080,
0.2724

24.8233, 0.2892,
0.1564


73.0394, 0.3104,
0.2985

21.8408, 0.2846,
0.1429


87.0930, 0.3123,
0.3236

 19.9367, 0.2799,
0.1339

 97.8832, 0.3143,
0.3397

 19.0053, 0.2763,
0.1296

 98.6678, 0.3169,
0.3396

 99.3116, 0.3191,
0.3396

Harmonies

Analogous

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



41.7502, 0.2253, 0.1986



41.7502, 0.3018, 0.2202



41.7502, 0.3943, 0.2630

Triad

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



41.7502, 0.3018, 0.2202



41.7502, 0.4553, 0.4452



41.7502, 0.1775, 0.3089

Complementary

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



41.7502, 0.3018, 0.2202



73.9925, 0.3172, 0.4561

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.



41.7502, 0.2262, 0.4074



41.7502, 0.3018, 0.2202



41.7502, 0.3862, 0.4903

Square

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



41.7502, 0.3018, 0.2202



41.7502, 0.4888, 0.3827



41.7502, 0.3026, 0.4831



41.7502, 0.1625, 0.2373

Rectangle

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



41.7502, 0.3018, 0.2202



41.7502, 0.4479, 0.2998



41.7502, 0.3026, 0.4831



41.7502, 0.1899, 0.3403

Sweetspot

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



41.7520, 0.3018, 0.2202



79.5618, 0.3102, 0.2964



37.2941, 0.2375, 0.2222



16.3622, 0.3098, 0.2907



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.



41.7520, 0.3018, 0.2202



39.0802, 0.2984, 0.1985



43.0040, 0.3475, 0.2549



16.6134, 0.3110, 0.3055



10.3877, 0.2771, 0.1300



0.9506, 0.2829, 0.1332

Inverse Universe

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



40.7841, 0.4030, 0.3096



38.0417, 0.4335, 0.3060



73.4043, 0.2900, 0.4178



16.5297, 0.3266, 0.3249



10.5649, 0.6140, 0.3156



0.9416, 0.5821, 0.2980

Previews

White Background



This preview shows how the Yxy color 41.7502, 0.3018, 0.2202 looks on a white background.

Color Contrast Check

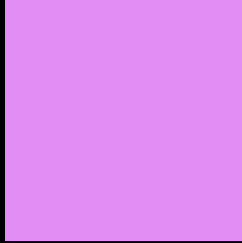
Large Text (above 18pt) WCAG AA × Fail

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 41.7502, 0.3018, 0.2202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

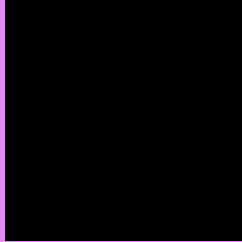
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7502, 0.3018, 0.2202

Background



This preview shows how black text looks on a background with the Yxy color 41.7502, 0.3018, 0.2202.



This preview shows how white text looks on a background with the Yxy color 41.7502, 0.3018, 0.2202.

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

41.7502, 0.3018, 0.2202

Protanopia

42.2751, 0.2361, 0.2263

Deuteranopia

42.0712, 0.2509, 0.2447



Tritanopia

41.5774, 0.3597, 0.3146

Trichromacy



Original Color

41.7502, 0.3018, 0.2202



Protanomaly

41.1053, 0.2561, 0.2219



Deuteranomaly

41.1362, 0.2675, 0.2335



Tritanomaly

41.3344, 0.3383, 0.2766

Monochromacy



Original Color

41.7502, 0.3018, 0.2202



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.7766, 0.3086, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7502, 0.3018, 0.2202 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(226, 141, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 141, 244)  
}
```

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(226, 141, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 141, 244) }
```

Border

The CSS property to change the border of an element to Yxy 41.7502, 0.3018, 0.2202 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(226, 141, 244) }
```

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

```
.border{ border-color:rgb(226, 141, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 141, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 141, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 141, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 141,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7502, 0.3018, 0.2202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 141, 244) }
```

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

```
.background{ background-color: rgb(226,  
141, 244) }
```

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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