

Converting Colors

$Y_{xy}(46.4690, 0.3063, 0.2287)$

Have a look what the booklet for
Yxy(46.4690, 0.3063, 0.2287)
contains.

Yxy(46.5727, 0.3062, 0.2290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.5727, 0.3062, 0.2290)

Conversions

Conversions Part 1

Format	Color
Hex	EB97F8
RGB	235, 151, 248
RGB Percent	92%, 59%, 97%
CMY	0.0784, 0.4078, 0.0274
CMYK	0.05, 0.39, 0.00, 0.03
HSL	292°, 87%, 78%
HSV	292°, 39%, 97%
XYZ	62.2732, 46.5727, 94.5283
YIQ	187.1740, 18.9270, 47.9750

Conversions

Conversions Part 2

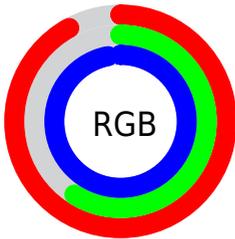
Format	Color
R _Y B	235, 151, 248
Decimal	15439864
CIE Lab	73.92, 46.70, -35.77
CIE LCh	74, 58.823, 322.552
Yxy	46.5727, 0.3062, 0.2290
Android (android.graphics.Color)	4293629944 (0xFFEB97F8)
YUV	187.1740, 29.9872, 41.9434
Hunter-Lab	68.2442, 43.4549, -34.3545

Details

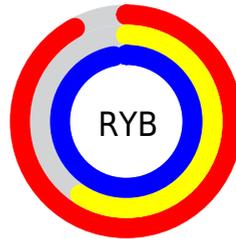
The Yxy color $46.5727, 0.3062, 0.2290$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $77.2747, 0.3147, 0.4465$, and the grayscale version is $49.6183, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.1056, 0.3149, 0.2821$, and $21.9619, 0.3033, 0.2073$ is the 20% darker color. If you saturate the color by 10%, you get $38.8527, 0.3036, 0.2048$, and if you desaturate by 10%, it is $55.9863, 0.3084, 0.2547$.

Distribution



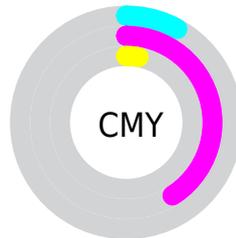
- Red (92%)
- Green (59%)
- Blue (97%)



- Red (92%)
- Yellow (59%)
- Blue (97%)



- Cyan (5%)
- Magenta (39%)
- Yellow (0%)
- Black (3%)



- Cyan (8%)
- Magenta (41%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5727, 0.3062, 0.2290 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 46.5727, 0.3062, 0.2290 by changing the saturation by 10% instead.

 46.5727, 0.3062,
0.2290

 46.5727, 0.3062,
0.2290

373.1063, 0.3109,
0.2745

 32.6980, 0.3047,
0.2189

 85.0754, 0.3082,
0.2445

 21.8952, 0.3027,
0.2067

 110.4723, 0.3088,
0.2507

 13.7799, 0.2997,
0.1915

140.4786, 0.3094,
0.2560

 7.9677, 0.2953,
0.1723

175.4788, 0.3098,
0.2606

 4.0743, 0.2883,
0.1476

215.8573, 0.3102,
0.2647

 1.7152, 0.2764,
0.1151

261.9984, 0.3105,

 0.4335, 0.2569,

0.2683

0.0629

314.2866, 0.3107,
0.2716

0.0000, 0.1991,
0.0000

0.0000, 0.0000,
0.0000

46.5727, 0.3062,
0.2290

46.5727, 0.3062,
0.2290

38.8527, 0.3036,
0.2048

55.9863, 0.3084,
0.2547

32.7142, 0.3006,
0.1830

67.1845, 0.3102,
0.2808

28.0407, 0.2974,
0.1647

80.2588, 0.3117,
0.3064

24.6973, 0.2940,
0.1506

95.2930, 0.3128,
0.3311

■ 22.5238, 0.2905,
0.1411

■ 98.9266, 0.3147,
0.3357

■ 21.2789, 0.2869,
0.1357

■ 99.5521, 0.3167,
0.3357

■ 21.1869, 0.2866,
0.1353

■ 99.5584, 0.3168,
0.3357

Harmonies

Analogous

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



46.5727, 0.2343, 0.2080



46.5727, 0.3062, 0.2290



46.5727, 0.3907, 0.2699

Triad

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



46.5727, 0.3062, 0.2290



46.5727, 0.4435, 0.4402



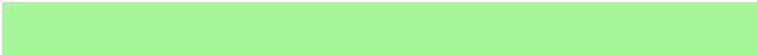
46.5727, 0.1864, 0.3086

Complementary

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



46.5727, 0.3062, 0.2290



77.2747, 0.3147, 0.4465

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.



46.5727, 0.2314, 0.3970



46.5727, 0.3062, 0.2290



46.5727, 0.3795, 0.4779

Square

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



46.5727, 0.3062, 0.2290



46.5727, 0.4746, 0.3831



46.5727, 0.3018, 0.4668



46.5727, 0.1730, 0.2433

Rectangle

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



46.5727, 0.3062, 0.2290



46.5727, 0.4386, 0.3049



46.5727, 0.3018, 0.4668



46.5727, 0.1979, 0.3369

Sweetspot

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



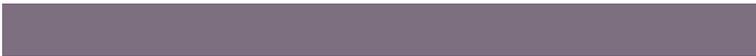
46.5747, 0.3062, 0.2290



81.2363, 0.3113, 0.2991



40.4684, 0.2429, 0.2272



16.9898, 0.3111, 0.2957



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.



46.5747, 0.3062, 0.2290



42.9268, 0.3042, 0.2096



46.9517, 0.3473, 0.2633



17.3996, 0.3116, 0.3055



11.4883, 0.2872, 0.1356



1.0957, 0.2915, 0.1379

Inverse Universe

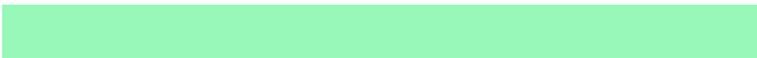
The Inverse Universe completely reimagines the original color for something new.



44.7744, 0.3976, 0.3152



40.8716, 0.4247, 0.3126



77.2264, 0.2896, 0.4060



17.2631, 0.3273, 0.3258



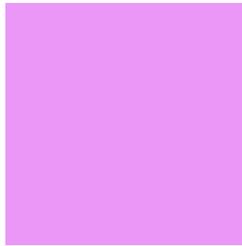
10.8520, 0.6228, 0.3205



1.0165, 0.5959, 0.3056

Previews

White Background



This preview shows how the Yxy color 46.5727, 0.3062, 0.2290 looks on a white background.

Color Contrast Check

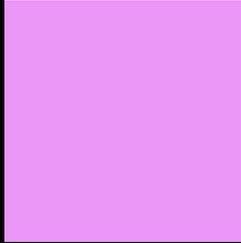
Large Text (above 18pt) WCAG AA × Fail

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 46.5727, 0.3062, 0.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

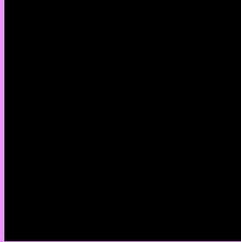
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5727, 0.3062, 0.2290

Background



This preview shows how black text looks on a background with the Yxy color 46.5727, 0.3062, 0.2290.



This preview shows how white text looks on a background with the Yxy color 46.5727, 0.3062, 0.2290.

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

46.5727, 0.3062, 0.2290

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

46.8183, 0.2580, 0.2515



Tritanopia

46.5347, 0.3564, 0.3140

Trichromacy



Original Color

46.5727, 0.3062, 0.2290



Protanomaly

45.8433, 0.2653, 0.2338



Deuteranomaly

46.0449, 0.2735, 0.2414



Tritanomaly

46.5074, 0.3379, 0.2808

Monochromacy



Original Color

46.5727, 0.3062, 0.2290



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.7129, 0.3104, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5727, 0.3062, 0.2290 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(235, 151, 248)` looks like.

```
.text, #text, p{  
    color:rgb(235, 151, 248)  
}
```

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(235, 151, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 151, 248) }
```

Border

The CSS property to change the border of an element to Yxy 46.5727, 0.3062, 0.2290 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(235, 151, 248) }
```

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

```
.border{ border-color:rgb(235, 151, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 151, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 151, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 151, 248);  
box-shadow:4px 4px 4px 4px rgb(235, 151,  
248) }
```

Background

The CSS property to change the background color of an element to Yxy 46.5727, 0.3062, 0.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 151, 248) }
```

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

```
.background{ background-color: rgb(235,  
151, 248) }
```

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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