

Converting Colors

$Y_{xy}(48.4671, 0.2698, 0.1941)$

Have a look what the booklet for
Yxy(48.4671, 0.2698, 0.1941)
contains.

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Color

Yxy(46.0074, 0.2941, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	E398FF
RGB	227, 152, 255
RGB Percent	89%, 60%, 100%
CMY	0.1099, 0.4038, 0.0000
CMYK	0.11, 0.40, 0.00, 0.00
HSL	284°, 100%, 80%
HSV	284°, 40%, 100%
XYZ	60.9494, 46.0074, 100.2837
YIQ	186.1670, 11.6370, 47.9330

Conversions

Conversions Part 2

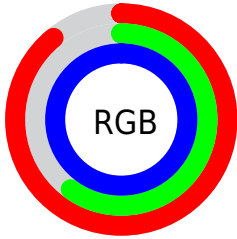
Format	Color
R _Y B	227, 152, 255
Decimal	14915839
CIE Lab	73.55, 45.18, -40.19
CIE LCh	74, 60.467, 318.341
Yxy	46.0074, 0.2941, 0.2220
Android (android.graphics.Color)	4293105919 (0xFFE398FF)
YUV	186.1670, 33.9347, 35.8105
Hunter-Lab	67.8288, 41.6959, -40.1792

Details

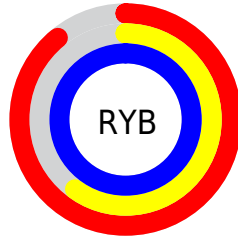
The Yxy color **46.0074, 0.2941, 0.2220** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.4977, 0.3233, 0.4479**, and the grayscale version is **49.0033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **21.5469, 0.2873, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **37.4947, 0.2877, 0.1958**, and if you desaturate by 10%, it is **56.3474, 0.2998, 0.2493**.

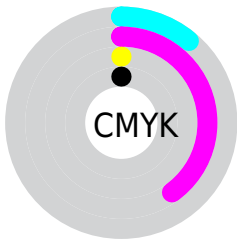
Distribution



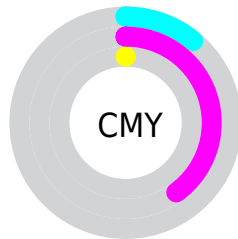
- Red (89%)
- Green (60%)
- Blue (100%)



- Red (89%)
- Yellow (60%)
- Blue (100%)



- Cyan (11%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0074, 0.2941, 0.2220 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 46.0074, 0.2941, 0.2220 by changing the saturation by 10% instead.


 46.0074, 0.2941,
0.2220


 46.0074, 0.2941,
0.2220


370.8384, 0.3048,
0.2705

 32.2517, 0.2912,
0.2113


 84.2301, 0.2982,
0.2385

 21.5538, 0.2873,
0.1984


 109.4658, 0.2997,
0.2450

 13.5294, 0.2821,
0.1825


139.2970, 0.3009,
0.2507

 7.7941, 0.2747,
0.1625

174.1080, 0.3019,
0.2556

 3.9635, 0.2637,
0.1371

214.2832, 0.3028,
0.2600

 1.6532, 0.2462,
0.1042

260.2071, 0.3036,

 0.3930, 0.2189,

0.2639

0.0522

312.2641, 0.3042,
0.2674

0.0000, 0.1463,
0.0000

0.0000, 0.0000,
0.0000

46.0074, 0.2941,
0.2220

46.0074, 0.2941,
0.2220

37.4947, 0.2877,
0.1958

56.3474, 0.2998,
0.2493

30.6898, 0.2807,
0.1717

68.6162, 0.3048,
0.2765

25.4649, 0.2733,
0.1510

82.9124, 0.3091,
0.3030

21.6722, 0.2658,
0.1346

99.3266, 0.3126,
0.3281

■ 19.1348, 0.2584,
0.1230

100.0000, 0.3127,
0.3290

■ 17.6066, 0.2516,
0.1160

Harmonies

Analogous

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



46.0074, 0.2237, 0.2037



46.0074, 0.2941, 0.2220



46.0074, 0.3811, 0.2613

Triad

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



46.0074, 0.2941, 0.2220



46.0074, 0.4540, 0.4350



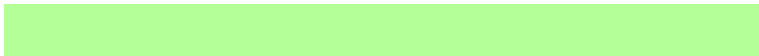
46.0074, 0.1874, 0.3195

Complementary

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



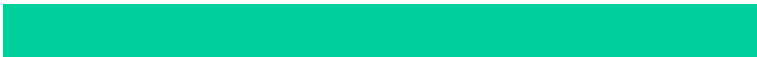
46.0074, 0.2941, 0.2220



83.4977, 0.3233, 0.4479

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.



46.0074, 0.2376, 0.4120



46.0074, 0.2941, 0.2220



46.0074, 0.3914, 0.4792

Square

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



46.0074, 0.2941, 0.2220



46.0074, 0.4801, 0.3753



46.0074, 0.3123, 0.4773



46.0074, 0.1694, 0.2478

Rectangle

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



46.0074, 0.2941, 0.2220



46.0074, 0.4335, 0.2960



46.0074, 0.3123, 0.4773



46.0074, 0.2006, 0.3498

Sweetspot

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



46.0087, 0.2941, 0.2220



80.4607, 0.3084, 0.2988



47.0260, 0.2430, 0.2402



16.8064, 0.3079, 0.2954



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.



46.0087, 0.2941, 0.2220



39.3646, 0.2893, 0.2019



49.5888, 0.3363, 0.2484



18.0371, 0.3094, 0.3053



9.2775, 0.2528, 0.1166



0.9574, 0.2608, 0.1210

Inverse Universe

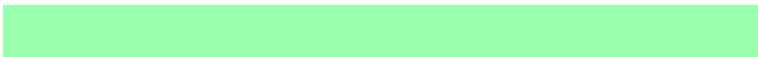
The Inverse Universe completely reimagines the original color for something new.



47.0209, 0.3872, 0.2998



40.6760, 0.4089, 0.2947



81.2665, 0.2959, 0.4264



18.0683, 0.3251, 0.3226



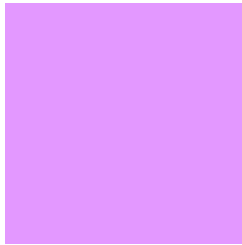
11.3573, 0.5864, 0.3004



1.1232, 0.5545, 0.2829

Previews

White Background



This preview shows how the Yxy color 46.0074, 0.2941, 0.2220 looks on a white background.

Color Contrast Check

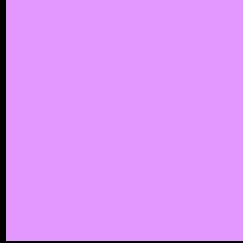
Large Text (above 18pt) WCAG AA × Fail

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 46.0074, 0.2941, 0.2220 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 46.0074, 0.2941, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 46.0074, 0.2941, 0.2220.



This preview shows how white text looks on a background with the Yxy color 46.0074, 0.2941, 0.2220.

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

46.0074, 0.2941, 0.2220

Protanopia

46.5281, 0.2449, 0.2380

Deuteranopia

46.5133, 0.2495, 0.2434



Tritanopia

45.9404, 0.3458, 0.3136

Trichromacy



Original Color

46.0074, 0.2941, 0.2220



Protanomaly

45.5410, 0.2606, 0.2303



Deuteranomaly

45.5946, 0.2638, 0.2335

Tritanomaly

45.6104, 0.3260, 0.2763

Monochromacy



Original Color

46.0074, 0.2941, 0.2220



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.3928, 0.3063, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0074, 0.2941, 0.2220 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(227, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 152, 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(227, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.0074, 0.2941, 0.2220 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(227, 152, 255) }
```

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

```
.border{ border-color:rgb(227, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0074, 0.2941, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 152, 255) }
```

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

```
.background{ background-color: rgb(227,  
152, 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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