

Converting Colors

$Y_{xy}(46.4021, 0.2688, 0.2307)$

Have a look what the booklet for
Yxy(46.4021, 0.2688, 0.2307)
contains.

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Color

Yxy(46.3268, 0.2690, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	C2A7FF
RGB	194, 167, 255
RGB Percent	76%, 65%, 100%
CMY	0.2394, 0.3450, 0.0000
CMYK	0.24, 0.35, 0.00, 0.00
HSL	258°, 100%, 83%
HSV	258°, 35%, 100%
XYZ	54.1116, 46.3268, 100.7201
YIQ	185.1050, -12.1560, 33.0920

Conversions

Conversions Part 2

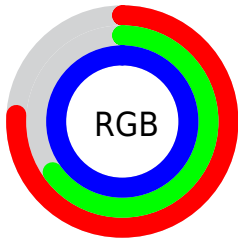
Format	Color
RYB	194, 167, 255
Decimal	12756991
CIELab	73.76, 27.52, -40.12
CIELCh	74, 48.648, 304.446
Yxy	46.3268, 0.2690, 0.2303
Android (android.graphics.Color)	4290947071 (0xFFC2A7FF)
YUV	185.1050, 34.4582, 7.8009
Hunter-Lab	68.0638, 22.7983, -40.0920

Details

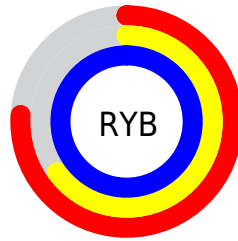
The Yxy color **46.3268, 0.2690, 0.2303** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.8141, 0.3465, 0.4210**, and the grayscale version is **48.3843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1580, 0.3122, 0.2968**, and **21.8277, 0.2568, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **35.6833, 0.2529, 0.1978**, and if you desaturate by 10%, it is **59.0911, 0.2837, 0.2617**.

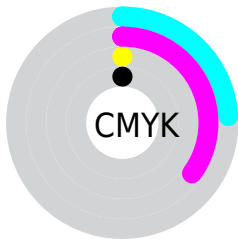
Distribution



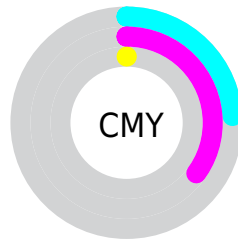
- Red (76%)
- Green (65%)
- Blue (100%)



- Red (76%)
- Yellow (65%)
- Blue (100%)



- Cyan (24%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3268, 0.2690, 0.2303 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 46.3268, 0.2690, 0.2303 by changing the saturation by 10% instead.

 46.3268, 0.2690,
0.2303

 46.3268, 0.2690,
0.2303


372.1209, 0.2912,
0.2759

 32.5038, 0.2635,
0.2201


 84.7079, 0.2771,
0.2460

 21.7466, 0.2565,
0.2075


 110.0347, 0.2801,
0.2522

 13.6708, 0.2474,
0.1920


139.9650, 0.2827,
0.2575

 7.8921, 0.2351,
0.1722

174.8830, 0.2849,
0.2621

 4.0260, 0.2177,
0.1466

215.1732, 0.2868,
0.2662

 1.6881, 0.1921,
0.1128

261.2200, 0.2884,

 0.4159, 0.1541,

0.2698

0.0589

313.4078, 0.2899,
0.2730

0.0000, 0.0059,
0.0000

0.0000, 0.0000,
0.0000

46.3268, 0.2690,
0.2303

46.3268, 0.2690,
0.2303

35.6833, 0.2529,
0.1978

59.0911, 0.2837,
0.2617

27.0419, 0.2358,
0.1655

74.0850, 0.2968,
0.2910

20.2721, 0.2184,
0.1353

91.4103, 0.3081,
0.3178

15.2275, 0.2018,
0.1092

100.0000, 0.3127,
0.3290

■ 11.7387, 0.1870,
0.0889

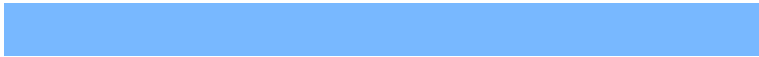
■ 9.5999, 0.1748,
0.0755

■ 8.8433, 0.1693,
0.0706

Harmonies

Analogous

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



46.3268, 0.2201, 0.2249



46.3268, 0.2690, 0.2303



46.3268, 0.3359, 0.2560

Triad

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



46.3268, 0.2690, 0.2303



46.3268, 0.4430, 0.3978



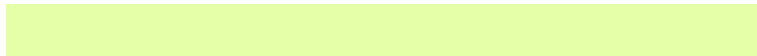
46.3268, 0.2266, 0.3563

Complementary

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



46.3268, 0.2690, 0.2303



90.8141, 0.3465, 0.4210

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.



46.3268, 0.2800, 0.4227



46.3268, 0.2690, 0.2303



46.3268, 0.4056, 0.4395

Square

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



46.3268, 0.2690, 0.2303



46.3268, 0.4432, 0.3469



46.3268, 0.3456, 0.4537



46.3268, 0.1976, 0.2887

Rectangle

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



46.3268, 0.2690, 0.2303



46.3268, 0.3819, 0.2821



46.3268, 0.3456, 0.4537



46.3268, 0.2421, 0.3804

Sweetspot

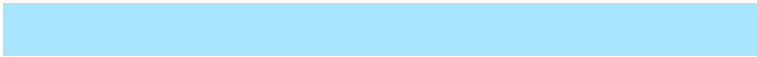
The Sweet Spot groups the original color and five complimentary colors.



46.3269, 0.2690, 0.2303



81.5934, 0.3021, 0.3034



71.2573, 0.2598, 0.2991



16.9519, 0.3005, 0.2996



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.



46.3269, 0.2690, 0.2303



39.1783, 0.2587, 0.2093



52.9371, 0.3026, 0.2394



17.6474, 0.3027, 0.3048



4.6891, 0.1708, 0.0714



0.5111, 0.1826, 0.0779

Inverse Universe

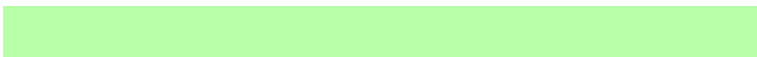
The Inverse Universe completely reimagines the original color for something new.



54.5078, 0.3388, 0.2673



48.5435, 0.3453, 0.2558



84.5768, 0.3183, 0.4297



18.2001, 0.3185, 0.3126



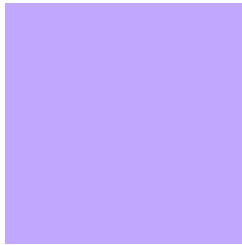
12.7936, 0.4172, 0.2072



1.2652, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 46.3268, 0.2690, 0.2303 looks on a white background.

Color Contrast Check

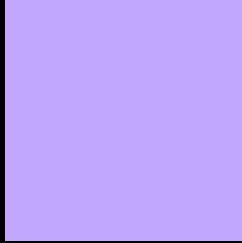
Large Text (above 18pt) WCAG AA × Fail

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 46.3268, 0.2690, 0.2303 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 46.3268, 0.2690, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 46.3268, 0.2690, 0.2303.



This preview shows how white text looks on a background with the Yxy color 46.3268, 0.2690, 0.2303.

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

46.3268, 0.2690, 0.2303

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.5001, 0.2466, 0.2401



Tritanopia

46.2025, 0.3043, 0.3098

Trichromacy



Original Color

46.3268, 0.2690, 0.2303

Protanomaly

46.4260, 0.2532, 0.2353

Deuteranomaly

46.3617, 0.2537, 0.2362

Tritanomaly

46.1826, 0.2909, 0.2786

Monochromacy



Original Color

46.3268, 0.2690, 0.2303

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.1853, 0.2962, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3268, 0.2690, 0.2303 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(194, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 167, 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(194, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3268, 0.2690, 0.2303 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(194, 167, 255) }
```

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

```
.border{ border-color:rgb(194, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3268, 0.2690, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 167, 255) }
```

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

```
.background{ background-color: rgb(194,  
167, 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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