

Converting Colors

$Y_{xy}(47.0851, 0.2695, 0.2574)$

Have a look what the booklet for
Yxy(47.0851, 0.2695, 0.2574)
contains.

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Color

Yxy(46.9058, 0.2691, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	B1B1ED
RGB	177, 177, 237
RGB Percent	69%, 69%, 93%
CMY	0.3056, 0.3060, 0.0705
CMYK	0.25, 0.25, 0.00, 0.07
HSL	240°, 63%, 81%
HSV	240°, 25%, 93%
XYZ	49.1525, 46.9058, 86.5967
YIQ	183.8400, -19.2600, 18.6600

Conversions

Conversions Part 2

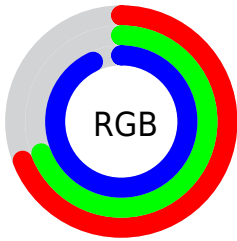
Format	Color
RYB	177, 177, 237
Decimal	11645421
CIELab	74.13, 12.84, -29.91
CIELCh	74, 32.547, 293.244
Yxy	46.9058, 0.2691, 0.2568
Android (android.graphics.Color)	4289835501 (0xFFB1B1ED)
YUV	183.8400, 26.2079, -5.9987
Hunter-Lab	68.4878, 8.2525, -27.0255

Details

The Yxy color **46.9058, 0.2691, 0.2568** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.7453, 0.3509, 0.3923**, and the grayscale version is **47.7066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9903, 0.2999, 0.3068**, and **22.2144, 0.2569, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **35.8010, 0.2486, 0.2228**, and if you desaturate by 10%, it is **60.1224, 0.2879, 0.2879**.

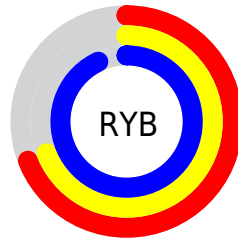
Distribution



Red (69%)

Green (69%)

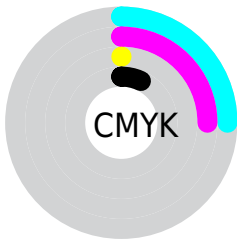
Blue (93%)



Red (69%)

Yellow (69%)

Blue (93%)

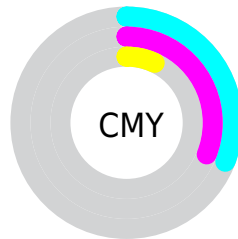


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9058, 0.2691, 0.2568 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 46.9058, 0.2691, 0.2568 by changing the saturation by 10% instead.

■ 46.9058, 0.2691,
0.2568

■ 46.9058, 0.2691,
0.2568

374.4384, 0.2908,
0.2913

■ 32.9612, 0.2638,
0.2487

■ 85.5730, 0.2769,
0.2689

■ 22.0967, 0.2570,
0.2387

111.0644, 0.2799,
0.2736

■ 13.9280, 0.2482,
0.2258

141.1735, 0.2824,
0.2776

■ 8.0706, 0.2362,
0.2090

176.2847, 0.2846,
0.2811

■ 4.1402, 0.2191,
0.1860

216.7824, 0.2864,
0.2841

■ 1.7523, 0.1934,
0.1534

263.0509, 0.2881,

■ 0.4572, 0.1534,

0.2868

0.0938

315.4748, 0.2895,
0.2892

0.0000, 0.0000,
0.0000

46.9058, 0.2691,
0.2568

46.9058, 0.2691,
0.2568

35.8010, 0.2486,
0.2228

60.1224, 0.2879,
0.2879

26.6934, 0.2270,
0.1871

75.5462, 0.3047,
0.3157

19.4661, 0.2055,
0.1517

93.2737, 0.3193,
0.3399

13.9880, 0.1858,
0.1190

98.8955, 0.3232,
0.3463

10.1110, 0.1695,
0.0921

■ 7.6625, 0.1579,
0.0730

■ 6.4302, 0.1517,
0.0627

■ 6.1176, 0.1500,
0.0600

Harmonies

Analogous

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



46.9058, 0.2401, 0.2603



46.9058, 0.2691, 0.2568



46.9058, 0.3116, 0.2698

Triad

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



46.9058, 0.2691, 0.2568



46.9058, 0.4034, 0.3665



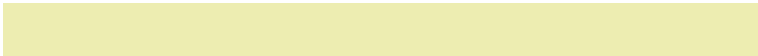
46.9058, 0.2670, 0.3646

Complementary

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



46.9058, 0.2691, 0.2568



81.7453, 0.3509, 0.3923

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.



46.9058, 0.3086, 0.4000



46.9058, 0.2691, 0.2568



46.9058, 0.3885, 0.3969

Square

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



46.9058, 0.2691, 0.2568



46.9058, 0.3921, 0.3303



46.9058, 0.3532, 0.4111



46.9058, 0.2389, 0.3196

Rectangle

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



46.9058, 0.2691, 0.2568



46.9058, 0.3427, 0.2860



46.9058, 0.3532, 0.4111



46.9058, 0.2798, 0.3784

Sweetspot

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



46.9077, 0.2691, 0.2568



84.0069, 0.3003, 0.3085



76.0392, 0.2755, 0.3289



17.3790, 0.2979, 0.3044



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.



46.9077, 0.2691, 0.2568



48.7972, 0.2594, 0.2408



50.8181, 0.2917, 0.2613



14.5500, 0.2980, 0.3046



3.3399, 0.1501, 0.0600



0.2626, 0.1502, 0.0601

Inverse Universe

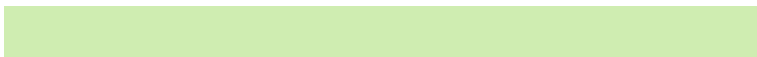
The Inverse Universe completely reimagines the original color for something new.



55.5553, 0.3157, 0.2661



60.5132, 0.3163, 0.2542



77.0177, 0.3296, 0.3969



15.3134, 0.3138, 0.3058



13.1576, 0.3213, 0.1543



1.0333, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 46.9058, 0.2691, 0.2568 looks on a white background.

Color Contrast Check

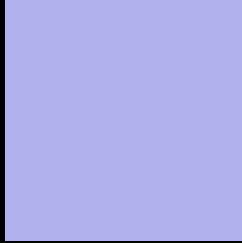
Large Text (above 18pt) WCAG AA × Fail

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 46.9058, 0.2691, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

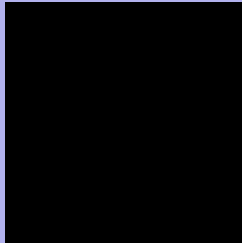
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9058, 0.2691, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 46.9058, 0.2691, 0.2568.



This preview shows how white text looks on a background with the Yxy color 46.9058, 0.2691, 0.2568.

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

46.9058, 0.2691, 0.2568

Protanopia

46.9815, 0.2605, 0.2570

Deuteranopia

47.0126, 0.2650, 0.2585



Tritanopia

46.9505, 0.2901, 0.3094

Trichromacy



Original Color

46.9058, 0.2691, 0.2568

Protanomaly

46.9593, 0.2637, 0.2573

Deuteranomaly

46.8395, 0.2663, 0.2575

Tritanomaly

46.7361, 0.2824, 0.2884

Monochromacy



Original Color

46.9058, 0.2691, 0.2568

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1833, 0.2958, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9058, 0.2691, 0.2568 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(177, 177, 237)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 237)  
}
```

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(177, 177, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 237) }
```

Border

The CSS property to change the border of an element to Yxy 46.9058, 0.2691, 0.2568 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(177, 177, 237) }
```

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

```
.border{ border-color:rgb(177, 177, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 237);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9058, 0.2691, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 237) }
```

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

```
.background{ background-color: rgb(177,  
177, 237) }
```

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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