

Converting Colors

$Y_{xy}(46.1985, 0.2565, 0.2439)$

Have a look what the booklet for
Yxy(46.1985, 0.2565, 0.2439)
contains.

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Color

Yxy(46.0909, 0.2566, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	A8B0F7
RGB	168, 176, 247
RGB Percent	66%, 69%, 97%
CMY	0.3409, 0.3099, 0.0314
CMYK	0.32, 0.29, 0.00, 0.03
HSL	234°, 83%, 81%
HSV	234°, 32%, 97%
XYZ	48.4710, 46.0909, 94.3352
YIQ	181.7020, -27.5590, 20.3850

Conversions

Conversions Part 2

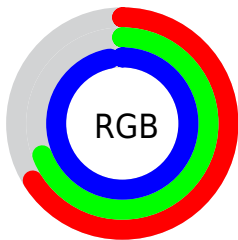
Format	Color
R_{YB}	168, 175, 247
Decimal	11055351
CIE _{Lab}	73.60, 13.24, -36.17
CIE _{LCh}	74, 38.522, 290.109
Yxy	46.0909, 0.2566, 0.2440
Android (android.graphics.Color)	4289245431 (0xFFA8B0F7)
YUV	181.7020, 32.1919, -12.0167
Hunter-Lab	67.8903, 8.6340, -34.8617

Details

The Yxy color **46.0909, 0.2566, 0.2440** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **84.3780, 0.3634, 0.4017**, and the grayscale version is **46.4474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3794, 0.2941, 0.3044**, and **21.6437, 0.2413, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **35.6220, 0.2362, 0.2119**, and if you desaturate by 10%, it is **58.5043, 0.2760, 0.2738**.

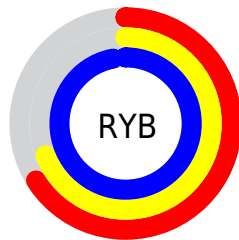
Distribution



Red (66%)

Green (69%)

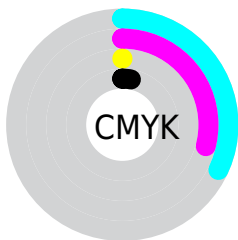
Blue (97%)



Red (66%)

Yellow (69%)

Blue (97%)

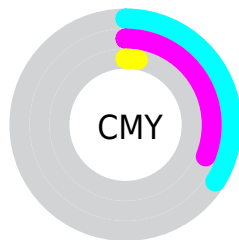


Cyan (32%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (34%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0909, 0.2566, 0.2440 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 46.0909, 0.2566, 0.2440 by changing the saturation by 10% instead.

■ 46.0909, 0.2566,
0.2440

■ 46.0909, 0.2566,
0.2440

■ 371.1740, 0.2844,
0.2843

■ 32.3176, 0.2499,
0.2347

■ 84.3550, 0.2666,
0.2581

■ 21.6042, 0.2414,
0.2231

■ 109.6146, 0.2703,
0.2636

■ 13.5663, 0.2304,
0.2085

■ 139.4717, 0.2736,
0.2683

■ 7.8197, 0.2158,
0.1896

■ 174.3107, 0.2763,
0.2723

■ 3.9798, 0.1954,
0.1643

■ 214.5161, 0.2787,
0.2759

■ 1.6623, 0.1658,
0.1297

■ 260.4721, 0.2808,

■ 0.3990, 0.1219,

0.2791

0.0692

312.5633, 0.2827,
0.2818

0.0000, 0.0000,
0.0000

46.0909, 0.2566,
0.2440

46.0909, 0.2566,
0.2440

35.6220, 0.2362,
0.2119

58.5043, 0.2760,
0.2738

26.9937, 0.2155,
0.1787

72.9483, 0.2938,
0.3008

20.1006, 0.1957,
0.1462

89.5105, 0.3098,
0.3247

14.8243, 0.1783,
0.1166

99.4953, 0.3173,
0.3367

11.0313, 0.1647,
0.0920

■ 8.5665, 0.1556,
0.0744

■ 7.4022, 0.1515,
0.0655

Harmonies

Analogous

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



46.0909, 0.2252, 0.2496



46.0909, 0.2566, 0.2440



46.0909, 0.3052, 0.2574

Triad

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



46.0909, 0.2566, 0.2440



46.0909, 0.4208, 0.3676



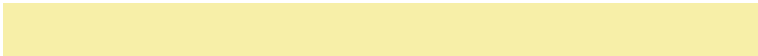
46.0909, 0.2628, 0.3771

Complementary

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



46.0909, 0.2566, 0.2440



84.3780, 0.3634, 0.4017

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.



46.0909, 0.3127, 0.4177



46.0909, 0.2566, 0.2440



46.0909, 0.4053, 0.4053

Square

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



46.0909, 0.2566, 0.2440



46.0909, 0.4043, 0.3252



46.0909, 0.3650, 0.4264



46.0909, 0.2282, 0.3225

Rectangle

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



46.0909, 0.2566, 0.2440



46.0909, 0.3423, 0.2752



46.0909, 0.3650, 0.4264



46.0909, 0.2783, 0.3934

Sweetspot

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



46.0927, 0.2566, 0.2440



81.7078, 0.2970, 0.3057



81.0126, 0.2715, 0.3393



16.9785, 0.2947, 0.3022



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.



46.0927, 0.2566, 0.2440



42.4421, 0.2442, 0.2246



46.7923, 0.2776, 0.2398



16.1943, 0.2979, 0.3070



4.0070, 0.1519, 0.0668



0.4400, 0.1559, 0.0813

Inverse Universe

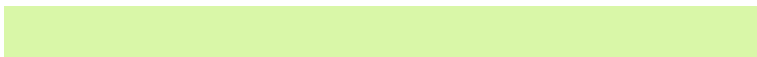
The Inverse Universe completely reimagines the original color for something new.



50.9357, 0.3790, 0.3206



48.5687, 0.3976, 0.3190



84.0616, 0.3399, 0.4149



16.5095, 0.3278, 0.3267



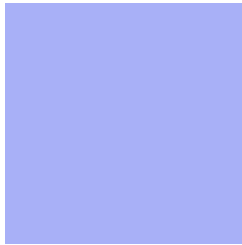
10.5039, 0.6285, 0.3236



0.9321, 0.6049, 0.3106

Previews

White Background



This preview shows how the Yxy color 46.0909, 0.2566, 0.2440 looks on a white background.

Color Contrast Check

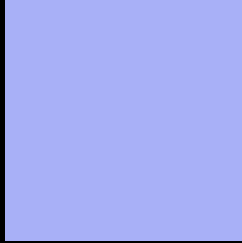
Large Text (above 18pt) WCAG AA × Fail

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 46.0909, 0.2566, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

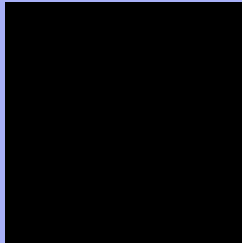
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0909, 0.2566, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 46.0909, 0.2566, 0.2440.



This preview shows how white text looks on a background with the Yxy color 46.0909, 0.2566, 0.2440.

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

46.0909, 0.2566, 0.2440

Protanopia

46.1539, 0.2505, 0.2433

Deuteranopia

46.1333, 0.2522, 0.2455



Tritanopia

46.1372, 0.2804, 0.3089

Trichromacy



Original Color

46.0909, 0.2566, 0.2440

Protanomaly

46.0081, 0.2528, 0.2435

Deuteranomaly

46.0522, 0.2540, 0.2447

Tritanomaly

46.1470, 0.2717, 0.2839

Monochromacy



Original Color

46.0909, 0.2566, 0.2440

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4459, 0.2904, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0909, 0.2566, 0.2440 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(168, 176, 247)` looks like.

```
.text, #text, p{  
    color:rgb(168, 176, 247)  
}
```

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(168, 176, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 176, 247) }
```

Border

The CSS property to change the border of an element to Yxy 46.0909, 0.2566, 0.2440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

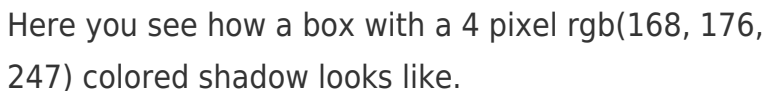
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 176, 247) }
```

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

```
.border{ border-color:rgb(168, 176, 247) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 176, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 176, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 176, 247); box-shadow:4px 4px 4px 4px rgb(168, 176, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0909, 0.2566, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 176, 247) }
```

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

```
.background{ background-color: rgb(168,  
176, 247) }
```

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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