

Converting Colors

$Yxy(47.0035, 0.2474, 0.2415)$

Have a look what the booklet for
Yxy(47.0035, 0.2474, 0.2415)
contains.

| | |
|---|----|
| Yxy(47.0035, 0.2474, 0.2415) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(47.0035, 0.2474, 0.2415)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9EB4FD |
| RGB | 158, 180, 253 |
| RGB Percent | 62%, 71%, 99% |
| CMY | 0.3804, 0.2941, 0.0078 |
| CMYK | 0.38, 0.29, 0.00, 0.01 |
| HSL | 226°, 96%, 81% |
| HSV | 226°, 38%, 99% |
| XYZ | 48.1518, 47.0035, 99.4761 |
| YIQ | 181.7440, -36.5450, 18.0390 |

Conversions

Conversions Part 2

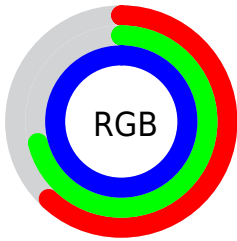
| Format | Color |
|-------------------------------------|---|
| RYB | 158, 176, 253 |
| Decimal | 10401021 |
| CIELab | 74.19, 9.83, -38.56 |
| CIELCh | 74, 39.796, 284.305 |
| Yxy | 47.0035, 0.2474, 0.2415 |
| Android (android.graphics.Color) | 4288591101 (0xFF9EB4FD) |
| YUV | 181.7440, 35.1292, -20.8235 |
| Hunter-Lab | 68.5591, 5.3893, -38.0357 |

Details

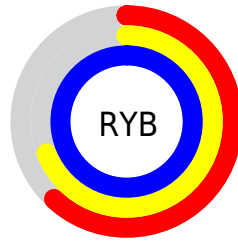
The Yxy color **47.0035, 0.2474, 0.2415** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **80.5094, 0.3769, 0.4032**, and the grayscale version is **46.4537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6580, 0.2880, 0.3092**, and **22.0478, 0.2304, 0.2195** is the 20% darker color. If you saturate the color by 10%, you get **37.3915, 0.2281, 0.2131**, and if you desaturate by 10%, it is **58.2481, 0.2663, 0.2681**.

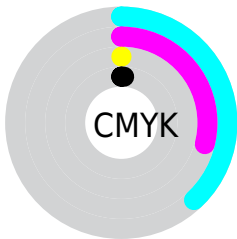
Distribution



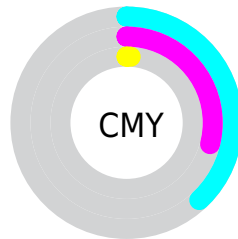
- Red (62%)
- Green (71%)
- Blue (99%)



- Red (62%)
- Yellow (69%)
- Blue (99%)



- Cyan (38%)
- Magenta (29%)
- Yellow (0%)
- Black (1%)



- Cyan (38%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0035, 0.2474, 0.2415 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 47.0035, 0.2474, 0.2415 by changing the saturation by 10% instead.

■ 47.0035, 0.2474,
0.2415

■ 47.0035, 0.2474,
0.2415

374.8285, 0.2793,
0.2830

■ 33.0384, 0.2398,
0.2319

■ 85.7188, 0.2587,
0.2560

■ 22.1559, 0.2303,
0.2201

■ 111.2379, 0.2631,
0.2616

■ 13.9715, 0.2181,
0.2052

141.3771, 0.2668,
0.2664

■ 8.1008, 0.2020,
0.1860

176.5208, 0.2700,
0.2706

■ 4.1595, 0.1801,
0.1606

217.0534, 0.2728,
0.2743

■ 1.7632, 0.1492,
0.1262

263.3592, 0.2752,

■ 0.4641, 0.1044,

0.2775

0.0712

315.8228, 0.2774,
0.2804

0.0000, 0.0000,
0.0000

47.0035, 0.2474,
0.2415

47.0035, 0.2474,
0.2415

37.3915, 0.2281,
0.2131

58.2481, 0.2663,
0.2681

29.3286, 0.2092,
0.1838

71.1928, 0.2843,
0.2924

22.7314, 0.1918,
0.1549

85.9075, 0.3010,
0.3142

17.5064, 0.1769,
0.1280

99.8729, 0.3139,
0.3309

13.5475, 0.1653,
0.1047

■ 10.7276, 0.1577,
0.0863

■ 10.1805, 0.1563,
0.0825

Harmonies

Analogous

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



47.0035, 0.2194, 0.2511



47.0035, 0.2474, 0.2415



47.0035, 0.2943, 0.2517

Triad

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



47.0035, 0.2474, 0.2415



47.0035, 0.4230, 0.3600



47.0035, 0.2705, 0.3885

Complementary

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



47.0035, 0.2474, 0.2415



80.5094, 0.3769, 0.4032

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.



47.0035, 0.3232, 0.4248



47.0035, 0.2474, 0.2415



47.0035, 0.4130, 0.4004

Square

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



47.0035, 0.2474, 0.2415



47.0035, 0.3998, 0.3167



47.0035, 0.3756, 0.4268



47.0035, 0.2313, 0.3329

Rectangle

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



47.0035, 0.2474, 0.2415



47.0035, 0.3319, 0.2680



47.0035, 0.3756, 0.4268



47.0035, 0.2871, 0.4039

Sweetspot

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



47.0053, 0.2474, 0.2415



82.0741, 0.2954, 0.3070



83.2901, 0.2706, 0.3542



17.1278, 0.2932, 0.3041



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.



47.0053, 0.2474, 0.2415



40.3923, 0.2330, 0.2204



41.6525, 0.2614, 0.2197



18.0604, 0.2979, 0.3102



5.5964, 0.1569, 0.0849



0.7024, 0.1626, 0.1052

Inverse Universe

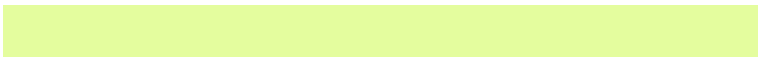
The Inverse Universe completely reimagines the original color for something new.



48.6326, 0.3836, 0.3059



42.8730, 0.4052, 0.3015



89.1706, 0.3518, 0.4286



18.0560, 0.3258, 0.3235



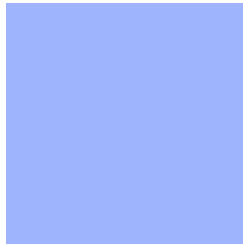
11.2929, 0.5991, 0.3074



1.1155, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 47.0035, 0.2474, 0.2415 looks on a white background.

Color Contrast Check

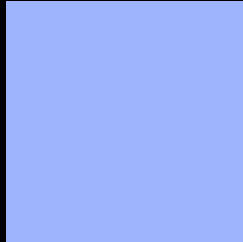
Large Text (above 18pt) WCAG AA × Fail

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 47.0035, 0.2474, 0.2415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

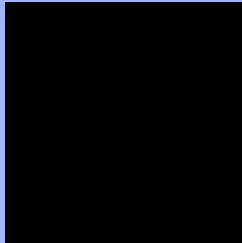
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0035, 0.2474, 0.2415

Background



This preview shows how black text looks on a background with the Yxy color 47.0035, 0.2474, 0.2415.



This preview shows how white text looks on a background with the Yxy color 47.0035, 0.2474, 0.2415.

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

47.0035, 0.2474, 0.2415

Protanopia

47.2079, 0.2487, 0.2418

Deuteranopia

47.0035, 0.2474, 0.2415



Tritanopia

46.8658, 0.2697, 0.3087

Trichromacy



Original Color

47.0035, 0.2474, 0.2415

Protanomaly

47.1053, 0.2480, 0.2417

Deuteranomaly

47.0035, 0.2474, 0.2415

Tritanomaly

46.8758, 0.2609, 0.2823

Monochromacy



Original Color

47.0035, 0.2474, 0.2415

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4861, 0.2859, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0035, 0.2474, 0.2415 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(158, 180, 253)` looks like.

```
.text, #text, p{  
    color:rgb(158, 180, 253)  
}
```

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(158, 180, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 180, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.0035, 0.2474, 0.2415 is called "border". The border property can be set on classes, ids or directly on the HTML element.

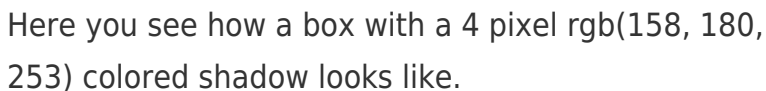
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 180, 253) }
```

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

```
.border{ border-color:rgb(158, 180, 253) }
```

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



Here you see how a box with a 4 pixel rgb(158, 180, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 180, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 180, 253);  
box-shadow:4px 4px 4px 4px rgb(158, 180,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0035, 0.2474, 0.2415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 180, 253) }
```

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

```
.background{ background-color: rgb(158,  
180, 253) }
```

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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