

Converting Colors

$Y_{xy}(46.3639, 0.2503, 0.2453)$

Have a look what the booklet for
Yxy(46.3639, 0.2503, 0.2453)
contains.

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Color

Yxy(46.3884, 0.2506, 0.2454)

Conversions

Conversions Part 1

Format	Color
Hex	9FB3F8
RGB	159, 179, 248
RGB Percent	62%, 70%, 97%
CMY	0.3762, 0.2981, 0.0274
CMYK	0.36, 0.28, 0.00, 0.03
HSL	227°, 86%, 80%
HSV	227°, 36%, 97%
XYZ	47.3714, 46.3884, 95.2720
YIQ	180.8860, -34.0690, 17.2190

Conversions

Conversions Part 2

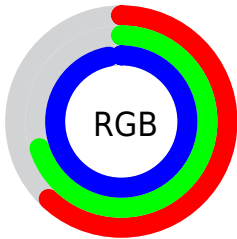
Format	Color
RYB	159, 175, 248
Decimal	10466296
CIELab	73.80, 9.37, -36.47
CIElCh	74, 37.655, 284.410
Yxy	46.3884, 0.2506, 0.2454
Android (android.graphics.Color)	4288656376 (0xFF9FB3F8)
YUV	180.8860, 33.0872, -19.1940
Hunter-Lab	68.1090, 4.9600, -35.2595

Details

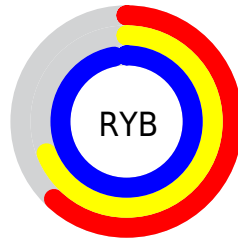
The Yxy color **46.3884, 0.2506, 0.2454** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.9987, 0.3734, 0.4004**, and the grayscale version is **45.9818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2356, 0.2886, 0.3082**, and **21.8834, 0.2343, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **36.9197, 0.2313, 0.2170**, and if you desaturate by 10%, it is **57.4461, 0.2694, 0.2719**.

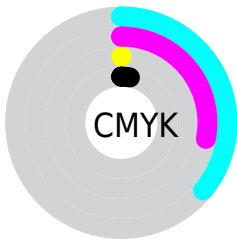
Distribution



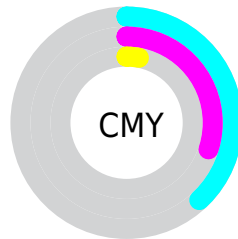
- Red (62%)
- Green (70%)
- Blue (97%)



- Red (62%)
- Yellow (69%)
- Blue (97%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (3%)



- Cyan (38%)
- Magenta (30%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3884, 0.2506, 0.2454 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 46.3884, 0.2506, 0.2454 by changing the saturation by 10% instead.

■ 46.3884, 0.2506,
0.2454

■ 46.3884, 0.2506,
0.2454

372.3680, 0.2811,
0.2853

■ 32.5524, 0.2433,
0.2361

■ 84.8000, 0.2615,
0.2594

■ 21.7838, 0.2341,
0.2247

■ 110.1444, 0.2656,
0.2648

■ 13.6981, 0.2223,
0.2101

140.0937, 0.2692,
0.2694

■ 7.9110, 0.2066,
0.1912

175.0323, 0.2722,
0.2734

■ 4.0381, 0.1850,
0.1659

215.3447, 0.2749,
0.2770

■ 1.6949, 0.1541,
0.1313

261.4151, 0.2772,

■ 0.4203, 0.1076,

0.2801

0.0720

313.6281, 0.2793,
0.2828

0.0000, 0.0000,
0.0000

46.3884, 0.2506,
0.2454

46.3884, 0.2506,
0.2454

36.9197, 0.2313,
0.2170

57.4461, 0.2694,
0.2719

28.9596, 0.2122,
0.1876

70.1572, 0.2873,
0.2960

22.4287, 0.1943,
0.1583

84.5890, 0.3037,
0.3176

17.2376, 0.1788,
0.1309

99.5580, 0.3168,
0.3357

13.2857, 0.1667,
0.1069

■ 10.4561, 0.1584,
0.0877

■ 9.5631, 0.1559,
0.0813

Harmonies

Analogous

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



46.3884, 0.2236, 0.2548



46.3884, 0.2506, 0.2454



46.3884, 0.2955, 0.2552

Triad

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



46.3884, 0.2506, 0.2454



46.3884, 0.4175, 0.3591



46.3884, 0.2725, 0.3851

Complementary

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



46.3884, 0.2506, 0.2454



77.9987, 0.3734, 0.4004

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.



46.3884, 0.3228, 0.4196



46.3884, 0.2506, 0.2454



46.3884, 0.4082, 0.3975

Square

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



46.3884, 0.2506, 0.2454



46.3884, 0.3956, 0.3177



46.3884, 0.3727, 0.4220



46.3884, 0.2350, 0.3328

Rectangle

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



46.3884, 0.2506, 0.2454



46.3884, 0.3313, 0.2708



46.3884, 0.3727, 0.4220



46.3884, 0.2884, 0.3997

Sweetspot

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



46.3902, 0.2506, 0.2454



81.9526, 0.2954, 0.3068



80.0791, 0.2723, 0.3529



17.0990, 0.2932, 0.3038



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.



46.3902, 0.2506, 0.2454



41.9875, 0.2367, 0.2251



41.6366, 0.2643, 0.2254



17.2735, 0.2979, 0.3100



5.3360, 0.1566, 0.0836



0.6454, 0.1624, 0.1047

Inverse Universe

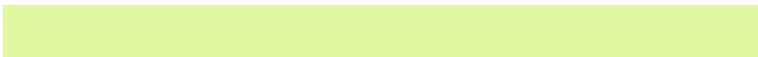
The Inverse Universe completely reimagines the original color for something new.



48.0306, 0.3797, 0.3077



44.5168, 0.4000, 0.3035



85.5408, 0.3501, 0.4238



17.2889, 0.3259, 0.3237



10.9496, 0.6012, 0.3085



1.0294, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 46.3884, 0.2506, 0.2454 looks on a white background.

Color Contrast Check

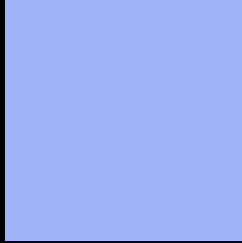
Large Text (above 18pt) WCAG AA × Fail

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 46.3884, 0.2506, 0.2454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

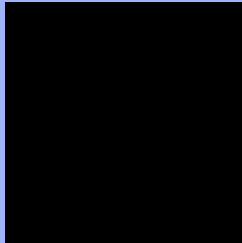
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3884, 0.2506, 0.2454

Background



This preview shows how black text looks on a background with the Yxy color 46.3884, 0.2506, 0.2454.



This preview shows how white text looks on a background with the Yxy color 46.3884, 0.2506, 0.2454.

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

46.3884, 0.2506, 0.2454

Protanopia

46.5946, 0.2519, 0.2457

Deuteranopia

46.4911, 0.2512, 0.2456



Tritanopia

46.5741, 0.2716, 0.3087

Trichromacy



Original Color

46.3884, 0.2506, 0.2454

Protanomaly

46.4911, 0.2512, 0.2456

Deuteranomaly

46.4911, 0.2512, 0.2456

Tritanomaly

46.4878, 0.2638, 0.2847

Monochromacy



Original Color

46.3884, 0.2506, 0.2454

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9345, 0.2880, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3884, 0.2506, 0.2454 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(159, 179, 248)` looks like.

```
.text, #text, p{  
    color:rgb(159, 179, 248)  
}
```

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(159, 179, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 179, 248) }
```

Border

The CSS property to change the border of an element to Yxy 46.3884, 0.2506, 0.2454 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(159, 179, 248) }
```

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

```
.border{ border-color:rgb(159, 179, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 179, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 179, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 179, 248);  
box-shadow:4px 4px 4px 4px rgb(159, 179,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3884, 0.2506, 0.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 179, 248) }
```

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

```
.background{ background-color: rgb(159,  
179, 248) }
```

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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