

Converting Colors

$Y_{xy}(46.4291, 0.2506, 0.2361)$

Have a look what the booklet for
Yxy(46.4291, 0.2506, 0.2361)
contains.

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Color

Yxy(46.3777, 0.2507, 0.2359)

Conversions

Conversions Part 1

Format	Color
Hex	A6B0FF
RGB	166, 176, 255
RGB Percent	65%, 69%, 100%
CMY	0.3492, 0.3097, 0.0001
CMYK	0.35, 0.31, 0.00, 0.00
HSL	233°, 100%, 83%
HSV	233°, 35%, 100%
XYZ	49.2874, 46.3777, 100.9339
YIQ	182.0160, -31.3190, 22.4490

Conversions

Conversions Part 2

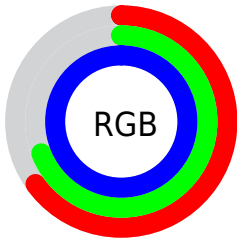
Format	Color
RYB	166, 175, 255
Decimal	10924287
CIELab	73.79, 14.67, -40.20
CIELCh	74, 42.794, 290.055
Yxy	46.3777, 0.2507, 0.2359
Android (android.graphics.Color)	4289114367 (0xFFA6B0FF)
YUV	182.0160, 35.9811, -14.0460
Hunter-Lab	68.1012, 10.0101, -40.2039

Details

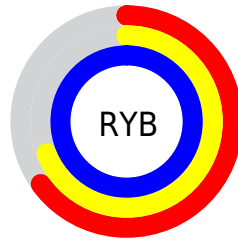
The Yxy color **46.3777, 0.2507, 0.2359** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.2398, 0.3686, 0.4075**, and the grayscale version is **46.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0598, 0.2929, 0.3043**, and **21.8720, 0.2344, 0.2140** is the 20% darker color. If you saturate the color by 10%, you get **35.7514, 0.2302, 0.2037**, and if you desaturate by 10%, it is **59.0302, 0.2704, 0.2661**.

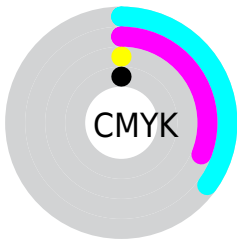
Distribution



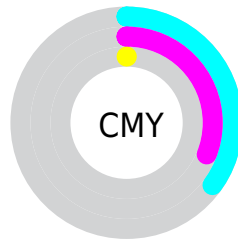
- Red (65%)
- Green (69%)
- Blue (100%)



- Red (65%)
- Yellow (69%)
- Blue (100%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3777, 0.2507, 0.2359 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 46.3777, 0.2507, 0.2359 by changing the saturation by 10% instead.


 46.3777, 0.2507,
0.2359


 46.3777, 0.2507,
0.2359


372.3251, 0.2812,
0.2797

 32.5440, 0.2434,
0.2259


 84.7840, 0.2616,
0.2511

 21.7773, 0.2342,
0.2136


 110.1253, 0.2658,
0.2571

 13.6934, 0.2224,
0.1982


140.0713, 0.2693,
0.2622

 7.9077, 0.2068,
0.1784

175.0064, 0.2723,
0.2666

 4.0360, 0.1854,
0.1525

215.3149, 0.2750,
0.2705

 1.6937, 0.1550,
0.1179

261.3812, 0.2773,

 0.4196, 0.1119,

0.2739

0.0620

313.5898, 0.2794,
0.2770

0.0000, 0.0000,
0.0000

46.3777, 0.2507,
0.2359

46.3777, 0.2507,
0.2359

35.7514, 0.2302,
0.2037

59.0302, 0.2704,
0.2661

27.0404, 0.2097,
0.1708

73.8014, 0.2887,
0.2936

20.1314, 0.1906,
0.1391

90.7844, 0.3052,
0.3181

14.8968, 0.1743,
0.1107

99.9979, 0.3127,
0.3290

11.1917, 0.1619,
0.0878

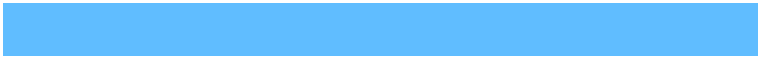
■ 8.8460, 0.1542,
0.0719

■ 8.0908, 0.1518,
0.0665

Harmonies

Analogous

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



46.3777, 0.2167, 0.2416



46.3777, 0.2507, 0.2359



46.3777, 0.3040, 0.2506

Triad

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



46.3777, 0.2507, 0.2359



46.3777, 0.4324, 0.3703



46.3777, 0.2574, 0.3827

Complementary

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



46.3777, 0.2507, 0.2359



89.2398, 0.3686, 0.4075

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.



46.3777, 0.3121, 0.4283



46.3777, 0.2507, 0.2359



46.3777, 0.4147, 0.4123

Square

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



46.3777, 0.2507, 0.2359



46.3777, 0.4143, 0.3240



46.3777, 0.3699, 0.4370



46.3777, 0.2197, 0.3213

Rectangle

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



46.3777, 0.2507, 0.2359



46.3777, 0.3451, 0.2699



46.3777, 0.3699, 0.4370



46.3777, 0.2743, 0.4012

Sweetspot

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



46.3795, 0.2507, 0.2359



81.8925, 0.2970, 0.3060



86.1673, 0.2681, 0.3404



17.0228, 0.2947, 0.3025



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.



46.3795, 0.2507, 0.2359



38.6589, 0.2362, 0.2132



46.7582, 0.2735, 0.2304



17.7089, 0.2979, 0.3072



4.3336, 0.1522, 0.0679



0.5241, 0.1562, 0.0821

Inverse Universe

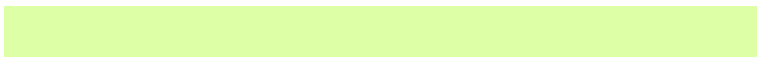
The Inverse Universe completely reimagines the original color for something new.



51.6409, 0.3868, 0.3186



44.9476, 0.4096, 0.3166



89.5979, 0.3423, 0.4236



18.0205, 0.3277, 0.3263



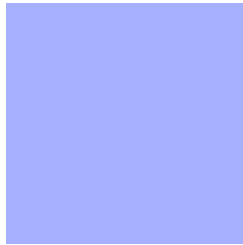
11.1654, 0.6267, 0.3226



1.0974, 0.6036, 0.3099

Previews

White Background



This preview shows how the Yxy color 46.3777, 0.2507, 0.2359 looks on a white background.

Color Contrast Check

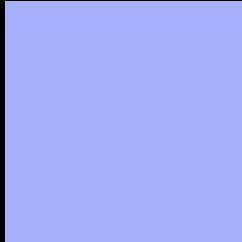
Large Text (above 18pt) WCAG AA × Fail

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 46.3777, 0.2507, 0.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

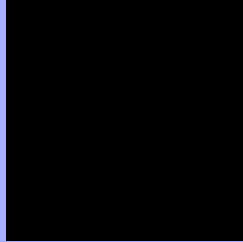
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3777, 0.2507, 0.2359

Background



This preview shows how black text looks on a background with the Yxy color 46.3777, 0.2507, 0.2359.



This preview shows how white text looks on a background with the Yxy color 46.3777, 0.2507, 0.2359.

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

46.3777, 0.2507, 0.2359

Protanopia

46.2289, 0.2454, 0.2369

Deuteranopia

46.3645, 0.2449, 0.2389



Tritanopia

46.2049, 0.2769, 0.3088

Trichromacy



Original Color

46.3777, 0.2507, 0.2359

Protanomaly

46.1379, 0.2471, 0.2361

Deuteranomaly

46.3675, 0.2471, 0.2382

Tritanomaly

45.9455, 0.2663, 0.2788

Monochromacy



Original Color

46.3777, 0.2507, 0.2359

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4761, 0.2875, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3777, 0.2507, 0.2359 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(166, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 176, 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(166, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3777, 0.2507, 0.2359 is called "border". The border property can be set on classes, ids or directly on the HTML element.

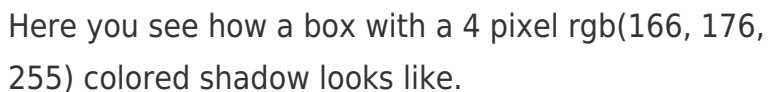
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 176, 255) }
```

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

```
.border{ border-color:rgb(166, 176, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 176, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 176, 255); box-shadow:4px 4px 4px 4px rgb(166, 176, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3777, 0.2507, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 176, 255) }
```

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

```
.background{ background-color: rgb(166,  
176, 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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