

# Converting Colors

$Yxy(46.6159, 0.2587, 0.2689)$

Have a look what the booklet for  
Yxy(46.6159, 0.2587, 0.2689)  
contains.

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# Color

**Yxy(46.6051, 0.2583, 0.2683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BB7E7
RGB	155, 183, 231
RGB Percent	61%, 72%, 91%
CMY	0.3923, 0.2823, 0.0941
CMYK	0.33, 0.21, 0.00, 0.09
HSL	218°, 61%, 76%
HSV	218°, 33%, 91%
XYZ	44.8680, 46.6051, 82.2320
YIQ	180.1000, -32.0960, 8.9920

# Conversions

## Conversions Part 2

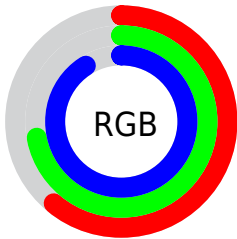
Format	Color
R <sub>Y</sub> B	155, 175, 231
Decimal	10205159
CIE Lab	73.94, 1.66, -27.07
CIE LCh	74, 27.122, 273.508
Yxy	46.6051, 0.2583, 0.2683
Android (android.graphics.Color)	4288395239 (0xFF9BB7E7)
YUV	180.1000, 25.0937, -22.0127
Hunter-Lab	68.2679, -2.1525, -23.6301

# Details

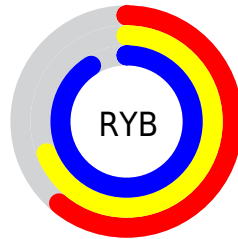
The Yxy color **46.6051, 0.2583, 0.2683** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0384, 0.3716, 0.3829**, and the grayscale version is **45.5709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8019, 0.2858, 0.3122**, and **21.8271, 0.2436, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **38.8309, 0.2406, 0.2459**, and if you desaturate by 10%, it is **55.4428, 0.2757, 0.2890**.

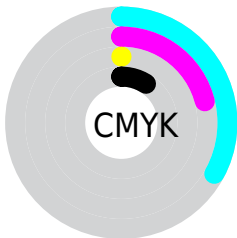
# Distribution



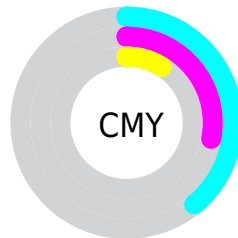
- Red (61%)
- Green (72%)
- Blue (91%)



- Red (61%)
- Yellow (69%)
- Blue (91%)



- Cyan (33%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)




- Cyan (39%)
- Magenta (28%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6051, 0.2583, 0.2683 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 46.6051, 0.2583, 0.2683 by changing the saturation by 10% instead.





 46.6051, 0.2583,  
0.2683


 46.6051, 0.2583,  
0.2683

373.2360, 0.2850,  
0.2980

 32.7236, 0.2518,  
0.2612

 85.1239, 0.2679,  
0.2789

 21.9148, 0.2437,  
0.2522


 110.5299, 0.2715,  
0.2829

 13.7943, 0.2331,  
0.2405


140.5462, 0.2746,  
0.2864

 7.9777, 0.2188,  
0.2250

175.5572, 0.2773,  
0.2893

 4.0807, 0.1987,  
0.2032

215.9473, 0.2796,  
0.2919

 1.7188, 0.1690,  
0.1711

262.1009, 0.2816,

 0.4358, 0.1123,

0.2942

0.1077

314.4023, 0.2834,  
0.2962

0.0000, 0.0000,  
0.0000

46.6051, 0.2583,  
0.2683

46.6051, 0.2583,  
0.2683

38.8309, 0.2406,  
0.2459

55.4428, 0.2757,  
0.2890

32.0709, 0.2232,  
0.2221

65.3797, 0.2925,  
0.3077

26.2797, 0.2068,  
0.1976

76.4564, 0.3083,  
0.3245

21.4054, 0.1920,  
0.1731

88.7094, 0.3230,  
0.3393

17.3903, 0.1797,  
0.1498

98.5496, 0.3268,  
0.3522

■ 14.1678, 0.1703,  
0.1284

■ 12.3037, 0.1653,  
0.1149

# Harmonies

## Analogous

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



46.6051, 0.2435, 0.2818



46.6051, 0.2583, 0.2683



46.6051, 0.2876, 0.2701

# Triad

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



46.6051, 0.2583, 0.2683



46.6051, 0.3846, 0.3413



46.6051, 0.2970, 0.3793

# Complementary

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



46.6051, 0.2583, 0.2683



62.0384, 0.3716, 0.3829

# 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.



46.6051, 0.3347, 0.3963



46.6051, 0.2583, 0.2683



46.6051, 0.3867, 0.3710

# Square

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



46.6051, 0.2583, 0.2683



46.6051, 0.3617, 0.3107



46.6051, 0.3679, 0.3921



46.6051, 0.2648, 0.3461



# Rectangle

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



46.6051, 0.2583, 0.2683



46.6051, 0.3124, 0.2789



46.6051, 0.3679, 0.3921



46.6051, 0.3094, 0.3873

# Sweetspot

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



46.6069, 0.2583, 0.2683



85.6402, 0.2971, 0.3127



68.3737, 0.2815, 0.3650



17.9237, 0.2948, 0.3103



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.



46.6069, 0.2583, 0.2683



51.0955, 0.2454, 0.2521



37.0717, 0.2604, 0.2331



14.7538, 0.2981, 0.3138



7.1150, 0.1661, 0.1179



0.6986, 0.1742, 0.1471



# Inverse Universe

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



43.8365, 0.3608, 0.2972



47.7881, 0.3761, 0.2899



75.0674, 0.3556, 0.4129



14.4555, 0.3235, 0.3204



9.9160, 0.5497, 0.2802

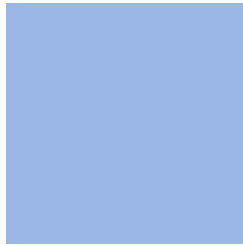


0.7502, 0.5097, 0.2581



# Previews

## White Background



This preview shows how the Yxy color 46.6051, 0.2583, 0.2683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

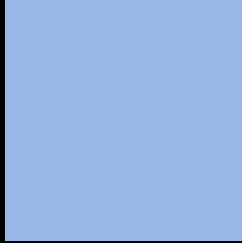
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.6051, 0.2583, 0.2683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

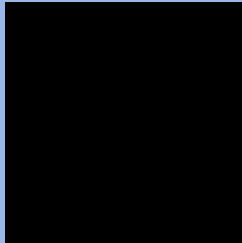
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

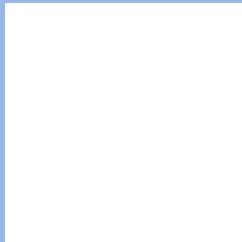
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.6051, 0.2583, 0.2683**

## Background



This preview shows how black text looks on a background with the Yxy color 46.6051, 0.2583, 0.2683.



This preview shows how white text looks on a background with the Yxy color 46.6051, 0.2583, 0.2683.

# 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

46.6051, 0.2583, 0.2683

### Protanopia

46.2767, 0.2693, 0.2680

### Deuteranopia

46.4376, 0.2688, 0.2627



## Tritanopia

46.6678, 0.2723, 0.3087

# Trichromacy



## Original Color

46.6051, 0.2583, 0.2683

## Protanomaly

46.1922, 0.2652, 0.2676

## Deuteranomaly

46.5757, 0.2647, 0.2645

## Tritanomaly

46.5012, 0.2670, 0.2933

# Monochromacy



## Original Color

46.6051, 0.2583, 0.2683

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.8292, 0.2908, 0.3055

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.6051, 0.2583, 0.2683 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(155, 183, 231)` looks like.

```
.text, #text, p{  
    color:rgb(155, 183, 231)  
}
```

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(155, 183, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 183, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 46.6051, 0.2583, 0.2683 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(155, 183, 231) }
```

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

```
.border{ border-color:rgb(155, 183, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 183, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 183, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 183, 231);  
box-shadow:4px 4px 4px 4px rgb(155, 183,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.6051, 0.2583, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 183, 231) }
```

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

```
.background{ background-color: rgb(155,  
183, 231) }
```

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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