

# Converting Colors

$Y_{xy}(41.1909, 0.2449, 0.2679)$

Have a look what the booklet for  
Yxy(41.1909, 0.2449, 0.2679)  
contains.

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# Color

**Yxy(41.2302, 0.2446, 0.2678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FB1DE
RGB	127, 177, 222
RGB Percent	50%, 69%, 87%
CMY	0.5019, 0.3059, 0.1295
CMYK	0.43, 0.20, 0.00, 0.13
HSL	208°, 59%, 68%
HSV	208°, 43%, 87%
XYZ	37.6584, 41.2302, 75.0704
YIQ	167.1800, -44.2450, 3.3950

# Conversions

## Conversions Part 2

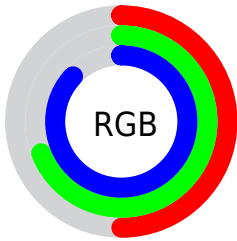
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	127, 160, 222
Decimal	8368606
CIE Lab	70.34, -4.91, -27.83
CIE LCh	70, 28.257, 260.000
Yxy	41.2302, 0.2446, 0.2678
Android (android.graphics.Color)	4286558686 (0xFF7FB1DE)
YUV	167.1800, 27.0263, -35.2379
Hunter-Lab	64.2107, -7.6820, -24.3699

# Details

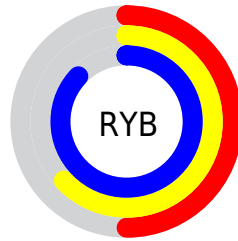
The Yxy color **41.2302, 0.2446, 0.2678** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5620, 0.4000, 0.3824**, and the grayscale version is **38.6192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5651, 0.2691, 0.3047**, and **18.8350, 0.2261, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **35.7160, 0.2292, 0.2503**, and if you desaturate by 10%, it is **47.4430, 0.2606, 0.2843**.

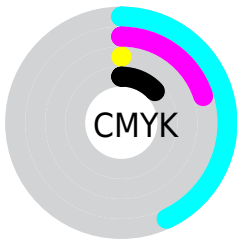
# Distribution



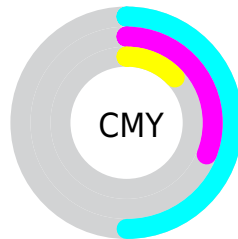
- Red (50%)
- Green (69%)
- Blue (87%)



- Red (50%)
- Yellow (63%)
- Blue (87%)



- Cyan (43%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (31%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2302, 0.2446, 0.2678 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 41.2302, 0.2446, 0.2678 by changing the saturation by 10% instead.



■ 41.2302, 0.2446,  
0.2678

■ 41.2302, 0.2446,  
0.2678

■ 351.2818, 0.2784,  
0.2987

■ 28.4990, 0.2363,  
0.2601

■ 77.0332, 0.2568,  
0.2790

■ 18.7022, 0.2259,  
0.2503

■ 100.8738, 0.2614,  
0.2832

■ 11.4553, 0.2122,  
0.2374

■ 129.1864, 0.2653,  
0.2868

■ 6.3739, 0.1938,  
0.2197

■ 162.3552, 0.2687,  
0.2899

■ 3.0738, 0.1680,  
0.1944

■ 200.7648, 0.2716,  
0.2925

■ 1.1704, 0.1301,  
0.1562

■ 244.7995, 0.2741,

■ 0.0373, 0.0000,

0.2948

0.0154

294.8437, 0.2764,  
0.2969

0.0000, 0.0000,  
0.0000

41.2302, 0.2446,  
0.2678

41.2302, 0.2446,  
0.2678

35.7160, 0.2292,  
0.2503

47.4430, 0.2606,  
0.2843

30.8637, 0.2150,  
0.2320

54.3793, 0.2768,  
0.2995

26.6394, 0.2024,  
0.2134

62.0682, 0.2929,  
0.3133

23.0032, 0.1919,  
0.1950

70.5358, 0.3085,  
0.3258

19.9083, 0.1838,  
0.1771

79.8065, 0.3234,  
0.3369

■ 17.9609, 0.1791,  
0.1647

■ 88.9038, 0.3341,  
0.3469

■ 95.2774, 0.3327,  
0.3570

■ 98.0532, 0.3322,  
0.3611

# Harmonies

## Analogous

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



41.2302, 0.2368, 0.2895



41.2302, 0.2446, 0.2678



41.2302, 0.2695, 0.2626

# Triad

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



41.2302, 0.2446, 0.2678



41.2302, 0.3821, 0.3269



41.2302, 0.3137, 0.3951

# Complementary

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



41.2302, 0.2446, 0.2678



46.5620, 0.4000, 0.3824

# 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.



41.2302, 0.3538, 0.4029



41.2302, 0.2446, 0.2678



41.2302, 0.3950, 0.3602

# Square

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



41.2302, 0.2446, 0.2678



41.2302, 0.3491, 0.2958



41.2302, 0.3841, 0.3885



41.2302, 0.2750, 0.3653



# Rectangle

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



41.2302, 0.2446, 0.2678



41.2302, 0.2938, 0.2679



41.2302, 0.3841, 0.3885



41.2302, 0.3275, 0.4004

# Sweetspot

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



41.2318, 0.2446, 0.2678



84.6345, 0.2924, 0.3129



59.7011, 0.2818, 0.3982



17.5962, 0.2888, 0.3099



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.



41.2318, 0.2446, 0.2678



49.8960, 0.2313, 0.2528



25.7979, 0.2335, 0.2012



14.4315, 0.2981, 0.3176



10.8943, 0.1798, 0.1672



0.9341, 0.1873, 0.1941



# Inverse Universe

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



33.8831, 0.3644, 0.2705



39.7830, 0.3798, 0.2595



67.6294, 0.3776, 0.4311



13.8205, 0.3210, 0.3167



10.0078, 0.4840, 0.2440



0.7118, 0.4521, 0.2264



# Previews

## White Background



This preview shows how the Yxy color 41.2302, 0.2446, 0.2678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

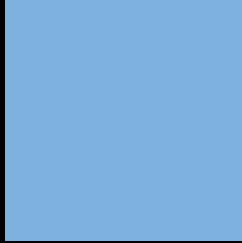
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.2302, 0.2446, 0.2678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

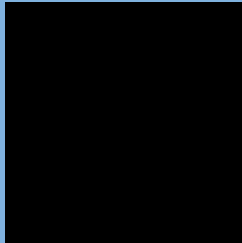
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

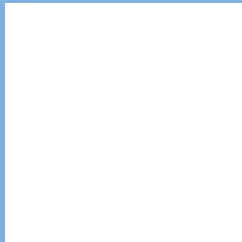
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.2302, 0.2446, 0.2678**

## Background



This preview shows how black text looks on a background with the Yxy color 41.2302, 0.2446, 0.2678.



This preview shows how white text looks on a background with the Yxy color 41.2302, 0.2446, 0.2678.

# 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

41.2302, 0.2446, 0.2678

### Protanopia

41.2328, 0.2687, 0.2677

### Deuteranopia

41.2313, 0.2640, 0.2583



## Tritanopia

41.4345, 0.2565, 0.3086

# Trichromacy



## Original Color

41.2302, 0.2446, 0.2678

## Protanomaly

41.2975, 0.2592, 0.2680

## Deuteranomaly

41.1287, 0.2565, 0.2619

## Tritanomaly

41.2612, 0.2525, 0.2934

# Monochromacy



## Original Color

41.2302, 0.2446, 0.2678

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

39.3891, 0.2838, 0.3064

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2302, 0.2446, 0.2678 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(127, 177, 222)` looks like.

```
.text, #text, p{  
    color:rgb(127, 177, 222)  
}
```

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(127, 177, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 177, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2302, 0.2446, 0.2678 is called "border". The border property can be set on classes, ids or directly on the HTML element.

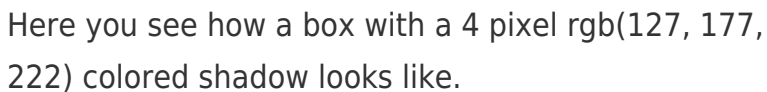
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 177, 222) }
```

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

```
.border{ border-color:rgb(127, 177, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 177, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 177, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 177, 222); box-shadow:4px 4px 4px 4px rgb(127, 177, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2302, 0.2446, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 177, 222) }
```

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

```
.background{ background-color: rgb(127,  
177, 222) }
```

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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