

# Converting Colors

$Yxy(41.8833, 0.2178, 0.2562)$

Have a look what the booklet for  
Yxy(41.8833, 0.2178, 0.2562)  
contains.

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# Color

**Yxy(41.7307, 0.2176, 0.2550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51B7ED
RGB	81, 183, 237
RGB Percent	32%, 72%, 93%
CMY	0.6826, 0.2823, 0.0705
CMYK	0.66, 0.23, 0.00, 0.07
HSL	201°, 81%, 62%
HSV	201°, 66%, 93%
XYZ	35.6102, 41.7307, 86.3089
YIQ	158.6580, -78.1260, -4.8300

# Conversions

## Conversions Part 2

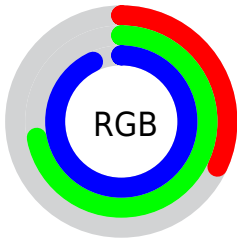
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 143, 237
Decimal	5355501
CIE Lab	70.68, -13.19, -35.64
CIE LCh	71, 38.001, 249.692
Yxy	41.7307, 0.2176, 0.2550
Android (android.graphics.Color)	4283545581 (0xFF51B7ED)
YUV	158.6580, 38.6226, -68.1061
Hunter-Lab	64.5993, -14.6511, -33.9958

# Details

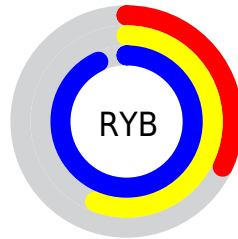
The Yxy color **41.7307, 0.2176, 0.2550** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.9140, 0.4830, 0.3849**, and the grayscale version is **34.3485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9727, 0.2510, 0.3105**, and **19.3015, 0.1986, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **37.5767, 0.2075, 0.2416**, and if you desaturate by 10%, it is **46.4499, 0.2295, 0.2682**.

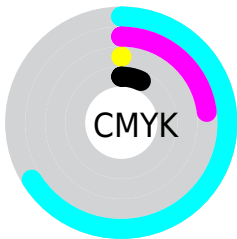
# Distribution



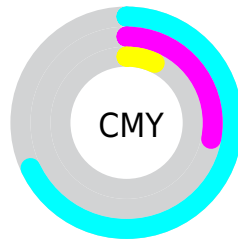
- Red (32%)
- Green (72%)
- Blue (93%)



- Red (32%)
- Yellow (56%)
- Blue (93%)



- Cyan (66%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (68%)
- Magenta (28%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7307, 0.2176, 0.2550 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 41.7307, 0.2176, 0.2550 by changing the saturation by 10% instead.



41.7307, 0.2176,  
0.2550

41.7307, 0.2176,  
0.2550

353.3654, 0.2638,  
0.2925

28.8905, 0.2067,  
0.2458

77.7919, 0.2339,  
0.2686

18.9980, 0.1932,  
0.2340

101.7816, 0.2402,  
0.2737

11.6688, 0.1760,  
0.2187

130.2567, 0.2456,  
0.2780

6.5186, 0.1537,  
0.1982

163.6015, 0.2502,  
0.2817

3.1629, 0.1242,  
0.1697

202.2003, 0.2542,  
0.2850

1.2174, 0.0851,  
0.1291

246.4377, 0.2578,

0.0758, 0.0000,

0.2878

0.0204

296.6979, 0.2610,  
0.2903

0.0000, 0.0000,  
0.0000

41.7307, 0.2176,  
0.2550

41.7307, 0.2176,  
0.2550

37.5767, 0.2075,  
0.2416

46.4499, 0.2295,  
0.2682

33.9403, 0.1995,  
0.2282

51.7675, 0.2429,  
0.2809


30.7701, 0.1936,  
0.2150

57.7182, 0.2574,  
0.2929


29.5574, 0.1916,  
0.2097


64.3325, 0.2726,  
0.3042

71.6387, 0.2881,  
0.3145

 79.6628, 0.3037,  
0.3239

 88.4297, 0.3190,  
0.3324

 94.8922, 0.3238,  
0.3403

 98.8953, 0.3232,  
0.3463

# Harmonies

## Analogous

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



41.7307, 0.2155, 0.2895



41.7307, 0.2176, 0.2550



41.7307, 0.2422, 0.2421

# Triad

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



41.7307, 0.2176, 0.2550



41.7307, 0.3930, 0.3105



41.7307, 0.3315, 0.4267

# Complementary

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



41.7307, 0.2176, 0.2550



35.9140, 0.4830, 0.3849

# 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.



41.7307, 0.3823, 0.4236



41.7307, 0.2176, 0.2550



41.7307, 0.4208, 0.3532

# Square

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



41.7307, 0.2176, 0.2550



41.7307, 0.3420, 0.2738



41.7307, 0.4160, 0.3944



41.7307, 0.2782, 0.3954



# Rectangle

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



41.7307, 0.2176, 0.2550



41.7307, 0.2698, 0.2449



41.7307, 0.4160, 0.3944



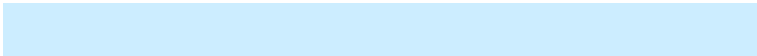
41.7307, 0.3495, 0.4294

# Sweetspot

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



41.7322, 0.2176, 0.2550



80.8298, 0.2815, 0.3103



64.0160, 0.2819, 0.4761



16.7832, 0.2771, 0.3073



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.



41.7322, 0.2176, 0.2550



42.8115, 0.2045, 0.2369



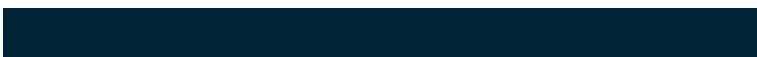
18.3680, 0.1919, 0.1473



16.1934, 0.2981, 0.3207



16.3895, 0.1922, 0.2118



1.4654, 0.1972, 0.2299



# Inverse Universe

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



27.3025, 0.3825, 0.2250



27.3717, 0.4031, 0.2150



65.1899, 0.4202, 0.4587



15.2201, 0.3191, 0.3137



11.1473, 0.4321, 0.2154

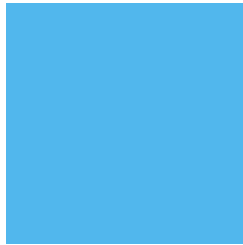


0.8933, 0.4127, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 41.7307, 0.2176, 0.2550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

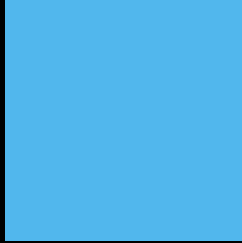
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7307, 0.2176, 0.2550 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

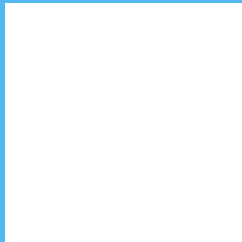
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7307, 0.2176, 0.2550**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7307, 0.2176, 0.2550.



This preview shows how white text looks on a background with the Yxy color 41.7307, 0.2176, 0.2550.

# 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

41.7307, 0.2176, 0.2550

### Protanopia

41.3634, 0.2593, 0.2557

### Deuteranopia

41.3366, 0.2463, 0.2406



## Tritanopia

41.8116, 0.2282, 0.3063

# Trichromacy



**Original Color**

41.7307, 0.2176, 0.2550

**Protanomaly**

41.0966, 0.2405, 0.2546

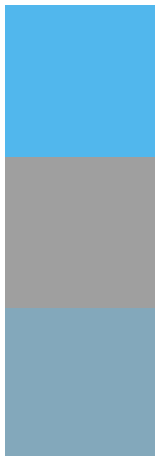
**Deuteranomaly**

41.1770, 0.2335, 0.2452

**Tritanomaly**

41.8006, 0.2242, 0.2867

# Monochromacy



**Original Color**

41.7307, 0.2176, 0.2550

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

36.4184, 0.2670, 0.3008

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7307, 0.2176, 0.2550 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(81, 183, 237)` looks like.

```
.text, #text, p{  
    color:rgb(81, 183, 237)  
}
```

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(81, 183, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 183, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7307, 0.2176, 0.2550 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(81, 183, 237) }
```

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

```
.border{ border-color:rgb(81, 183, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 183, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 183, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 183, 237);  
box-shadow:4px 4px 4px 4px rgb(81, 183,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7307, 0.2176, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 183, 237) }
```

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

```
.background{ background-color: rgb(81, 183,  
237) }
```

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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