

Converting Colors

Yxy(51.2059, 0.2432, 0.2721)

Have a look what the booklet for
Yxy(51.2059, 0.2432, 0.2721)
contains.

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Color

Yxy(51.0416, 0.2431, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	87C4F2
RGB	135, 196, 242
RGB Percent	53%, 77%, 95%
CMY	0.4703, 0.2314, 0.0509
CMYK	0.44, 0.19, 0.00, 0.05
HSL	206°, 80%, 74%
HSV	206°, 44%, 95%
XYZ	45.7699, 51.0416, 91.4644
YIQ	183.0050, -51.1220, 1.3740

Conversions

Conversions Part 2

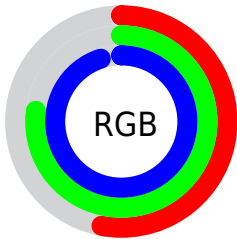
Format	Color
RYB	135, 174, 242
Decimal	8897778
CIELab	76.70, -7.68, -28.87
CIELCh	77, 29.879, 255.107
Yxy	51.0416, 0.2431, 0.2711
Android (android.graphics.Color)	4287087858 (0xFF87C4F2)
YUV	183.0050, 29.0845, -42.1004
Hunter-Lab	71.4434, -10.6708, -25.8948

Details

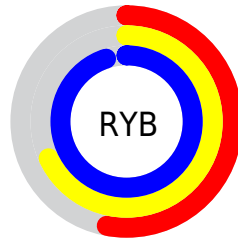
The Yxy color **51.0416, 0.2431, 0.2711** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.7269, 0.4065, 0.3795**, and the grayscale version is **47.2248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6770, 0.2761, 0.3268**, and **24.5109, 0.2253, 0.2547** is the 20% darker color. If you saturate the color by 10%, you get **44.7200, 0.2284, 0.2551**, and if you desaturate by 10%, it is **58.1498, 0.2586, 0.2862**.

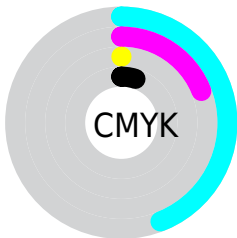
Distribution



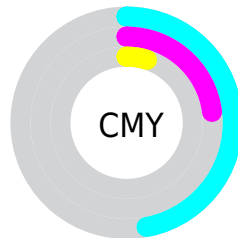
- Red (53%)
- Green (77%)
- Blue (95%)



- Red (53%)
- Yellow (68%)
- Blue (95%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (47%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0416, 0.2431, 0.2711 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 51.0416, 0.2431, 0.2711 by changing the saturation by 10% instead.

■ 51.0416, 0.2431,
0.2711

■ 51.0416, 0.2431,
0.2711

■ 390.7254, 0.2764,
0.2994

■ 36.2417, 0.2353,
0.2643

■ 91.7163, 0.2548,
0.2812

■ 24.6209, 0.2256,
0.2557

■ 118.3598, 0.2593,
0.2851

■ 15.7949, 0.2133,
0.2447

■ 149.7201, 0.2632,
0.2884

■ 9.3791, 0.1971,
0.2299

■ 186.1814, 0.2665,
0.2912

■ 4.9893, 0.1752,
0.2095

■ 228.1282, 0.2695,
0.2937

■ 2.2410, 0.1443,
0.1796

■ 275.9449, 0.2720,

■ 0.7422, 0.0934,

0.2958

0.1339

330.0158, 0.2743,
0.2977

0.0000, 0.0000,
0.0000

51.0416, 0.2431,
0.2711

51.0416, 0.2431,
0.2711

44.7200, 0.2284,
0.2551

58.1498, 0.2586,
0.2862

39.1413, 0.2150,
0.2384

66.0735, 0.2746,
0.3002

34.2655, 0.2033,
0.2215

74.8470, 0.2906,
0.3130

30.0445, 0.1938,
0.2046

84.5004, 0.3063,
0.3245

26.4212, 0.1865,
0.1883

94.8558, 0.3208,
0.3349

■ 24.5446, 0.1831,
0.1791

■ 99.1924, 0.3203,
0.3415

Harmonies

Analogous

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



51.0416, 0.2384, 0.2951



51.0416, 0.2431, 0.2711



51.0416, 0.2652, 0.2633

Triad

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



51.0416, 0.2431, 0.2711



51.0416, 0.3768, 0.3217



51.0416, 0.3204, 0.3969

Complementary

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



51.0416, 0.2431, 0.2711



53.7269, 0.4065, 0.3795

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.



51.0416, 0.3591, 0.4008



51.0416, 0.2431, 0.2711



51.0416, 0.3933, 0.3546

Square

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



51.0416, 0.2431, 0.2711



51.0416, 0.3421, 0.2920



51.0416, 0.3863, 0.3838



51.0416, 0.2813, 0.3706

Rectangle

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



51.0416, 0.2431, 0.2711



51.0416, 0.2878, 0.2669



51.0416, 0.3863, 0.3838



51.0416, 0.3339, 0.4008

Sweetspot

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



51.0435, 0.2431, 0.2711



85.4769, 0.2924, 0.3144



71.9578, 0.2836, 0.4085



17.8041, 0.2889, 0.3117



0.0000, 0.0000, 0.0000



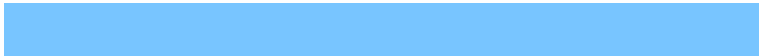
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.0435, 0.2431, 0.2711



51.0546, 0.2299, 0.2568



31.5115, 0.2312, 0.2024



16.7232, 0.2980, 0.3186



13.4592, 0.1838, 0.1817



1.3169, 0.1897, 0.2029

Inverse Universe

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



40.2153, 0.3623, 0.2636



38.6800, 0.3771, 0.2515



78.9758, 0.3821, 0.4300



15.9097, 0.3204, 0.3156



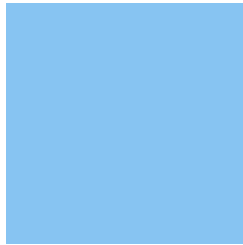
11.1521, 0.4665, 0.2344



0.9477, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 51.0416, 0.2431, 0.2711 looks on a white background.

Color Contrast Check

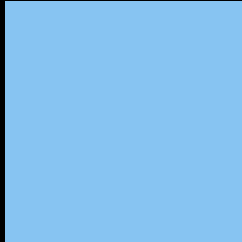
Large Text (above 18pt) WCAG AA × Fail

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 51.0416, 0.2431, 0.2711 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

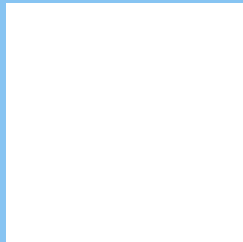
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0416, 0.2431, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 51.0416, 0.2431, 0.2711.

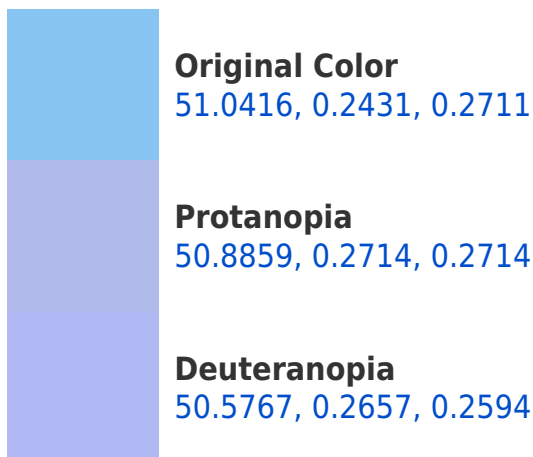


This preview shows how white text looks on a background with the Yxy color 51.0416, 0.2431, 0.2711.

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





Tritanopia

50.9075, 0.2531, 0.3062

Trichromacy



Original Color

51.0416, 0.2431, 0.2711

Protanomaly

50.6813, 0.2599, 0.2703

Deuteranomaly

50.5476, 0.2569, 0.2636

Tritanomaly

51.1631, 0.2498, 0.2937

Monochromacy



Original Color

51.0416, 0.2431, 0.2711

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.4331, 0.2838, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0416, 0.2431, 0.2711 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(135, 196, 242)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 242)  
}
```

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(135, 196, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 242) }
```

Border

The CSS property to change the border of an element to Yxy 51.0416, 0.2431, 0.2711 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(135, 196, 242) }
```

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

```
.border{ border-color:rgb(135, 196, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 196, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 196, 242); box-shadow:4px 4px 4px 4px rgb(135, 196, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0416, 0.2431, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 242) }
```

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

```
.background{ background-color: rgb(135,  
196, 242) }
```

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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