

Converting Colors

$Y_{xy}(41.7142, 0.2434, 0.2750)$

Have a look what the booklet for
Yxy(41.7142, 0.2434, 0.2750)
contains.

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Color

Yxy(41.8219, 0.2434, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	79B4DB
RGB	121, 180, 219
RGB Percent	47%, 71%, 86%
CMY	0.5257, 0.2941, 0.1411
CMYK	0.45, 0.18, 0.00, 0.14
HSL	204°, 58%, 67%
HSV	204°, 45%, 86%
XYZ	36.9893, 41.8219, 73.1579
YIQ	166.8050, -47.6830, -0.3790

Conversions

Conversions Part 2

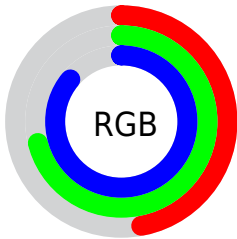
Format	Color
R _Y B	121, 158, 219
Decimal	7976155
CIE Lab	70.75, -8.87, -25.61
CIE LCh	71, 27.098, 250.901
Yxy	41.8219, 0.2434, 0.2752
Android (android.graphics.Color)	4286166235 (0xFF79B4DB)
YUV	166.8050, 25.7321, -40.1710
Hunter-Lab	64.6699, -11.0754, -21.8031

Details

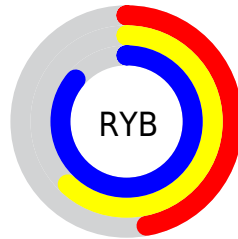
The Yxy color **41.8219, 0.2434, 0.2752** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **41.5723, 0.4093, 0.3762**, and the grayscale version is **38.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5580, 0.2662, 0.3079**, and **18.9829, 0.2245, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **37.0091, 0.2292, 0.2606**, and if you desaturate by 10%, it is **47.2182, 0.2585, 0.2890**.

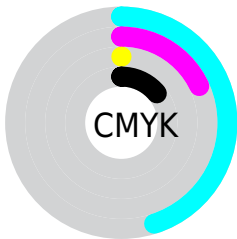
Distribution



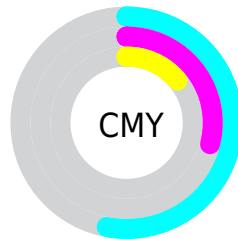
- Red (47%)
- Green (71%)
- Blue (86%)



- Red (47%)
- Yellow (62%)
- Blue (86%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (53%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8219, 0.2434, 0.2752 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 41.8219, 0.2434, 0.2752 by changing the saturation by 10% instead.

■ 41.8219, 0.2434,
0.2752

■ 41.8219, 0.2434,
0.2752

■ 353.7441, 0.2777,
0.3026

■ 28.9619, 0.2350,
0.2683

■ 77.9300, 0.2557,
0.2852

■ 19.0520, 0.2245,
0.2594

■ 101.9469, 0.2604,
0.2890

■ 11.7078, 0.2107,
0.2477

■ 130.4514, 0.2644,
0.2921

■ 6.5451, 0.1922,
0.2314

■ 163.8282, 0.2678,
0.2948

■ 3.1793, 0.1661,
0.2077

■ 202.4614, 0.2707,
0.2972

■ 1.2260, 0.1279,
0.1711

■ 246.7355, 0.2733,

■ 0.0828, 0.0000,

0.2992

0.0363

297.0350, 0.2756,
0.3010

0.0000, 0.0000,
0.0000

41.8219, 0.2434,
0.2752

41.8219, 0.2434,
0.2752

37.0091, 0.2292,
0.2606

47.2182, 0.2585,
0.2890

32.7464, 0.2164,
0.2454

53.2194, 0.2741,
0.3019

29.0035, 0.2054,
0.2298

59.8515, 0.2898,
0.3136

25.7439, 0.1963,
0.2144

67.1372, 0.3054,
0.3243

22.9239, 0.1895,
0.1993

75.0981, 0.3206,
0.3339

■ 21.5903, 0.1866,
0.1916

■ 83.7544, 0.3352,
0.3424

■ 89.2868, 0.3358,
0.3508

■ 94.5692, 0.3346,
0.3591

■ 97.8958, 0.3339,
0.3641

Harmonies

Analogous

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



41.8219, 0.2413, 0.3006



41.8219, 0.2434, 0.2752



41.8219, 0.2627, 0.2653

Triad

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



41.8219, 0.2434, 0.2752



41.8219, 0.3710, 0.3176



41.8219, 0.3258, 0.3966

Complementary

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



41.8219, 0.2434, 0.2752



41.5723, 0.4093, 0.3762

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.



41.8219, 0.3623, 0.3973



41.8219, 0.2434, 0.2752



41.8219, 0.3899, 0.3495

Square

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



41.8219, 0.2434, 0.2752



41.8219, 0.3357, 0.2896



41.8219, 0.3863, 0.3788



41.8219, 0.2872, 0.3739

Rectangle

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



41.8219, 0.2434, 0.2752



41.8219, 0.2836, 0.2674



41.8219, 0.3863, 0.3788



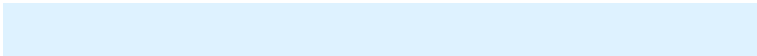
41.8219, 0.3387, 0.3993

Sweetspot

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



41.8235, 0.2434, 0.2752



86.1188, 0.2924, 0.3155



57.2252, 0.2853, 0.4140



17.9628, 0.2889, 0.3130



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.



41.8235, 0.2434, 0.2752



52.4343, 0.2297, 0.2610



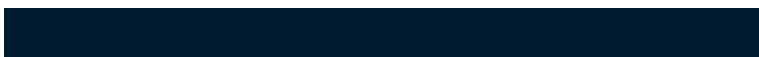
25.7855, 0.2313, 0.2059



13.9151, 0.2982, 0.3195



13.0182, 0.1872, 0.1938



1.0100, 0.1939, 0.2181

Inverse Universe

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



32.0218, 0.3591, 0.2596



38.2331, 0.3737, 0.2460



61.3522, 0.3842, 0.4276



13.1826, 0.3198, 0.3150



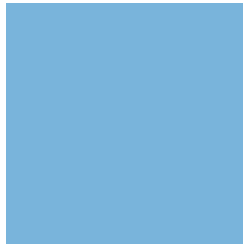
9.9380, 0.4524, 0.2266



0.6607, 0.4252, 0.2116

Previews

White Background



This preview shows how the Yxy color 41.8219, 0.2434, 0.2752 looks on a white background.

Color Contrast Check

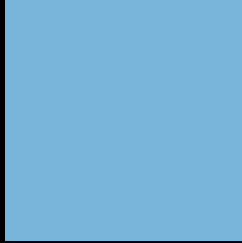
Large Text (above 18pt) WCAG AA × Fail

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 41.8219, 0.2434, 0.2752 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 41.8219, 0.2434, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 41.8219, 0.2434, 0.2752.

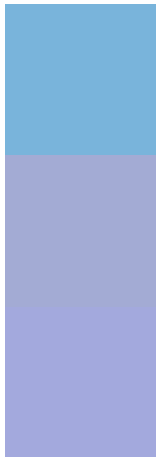


This preview shows how white text looks on a background with the Yxy color 41.8219, 0.2434, 0.2752.

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

41.8219, 0.2434, 0.2752

Protanopia

41.6658, 0.2745, 0.2753

Deuteranopia

41.3829, 0.2682, 0.2621



Tritanopia

42.0030, 0.2527, 0.3086

Trichromacy



Original Color

41.8219, 0.2434, 0.2752

Protanomaly

41.4743, 0.2618, 0.2741

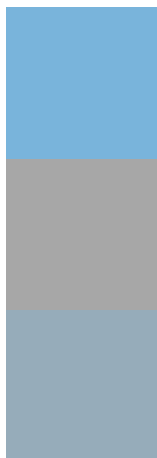
Deuteranomaly

41.3503, 0.2585, 0.2668

Tritanomaly

42.1051, 0.2491, 0.2962

Monochromacy



Original Color

41.8219, 0.2434, 0.2752

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.5342, 0.2830, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8219, 0.2434, 0.2752 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(121, 180, 219)` looks like.

```
.text, #text, p{  
    color:rgb(121, 180, 219)  
}
```

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(121, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 180, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.8219, 0.2434, 0.2752 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(121, 180, 219) }
```

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

```
.border{ border-color:rgb(121, 180, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 180, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(121, 180,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8219, 0.2434, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 180, 219) }
```

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

```
.background{ background-color: rgb(121,  
180, 219) }
```

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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