

Converting Colors

$Yxy(43.3517, 0.2481, 0.2678)$

Have a look what the booklet for
Yxy(43.3517, 0.2481, 0.2678)
contains.

Yxy(43.3677, 0.2485, 0.2681)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.3677, 0.2485, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	88B4E2
RGB	136, 180, 226
RGB Percent	53%, 71%, 89%
CMY	0.4668, 0.2941, 0.1138
CMYK	0.40, 0.20, 0.00, 0.11
HSL	211°, 61%, 71%
HSV	211°, 40%, 89%
XYZ	40.1972, 43.3677, 78.1945
YIQ	172.0880, -40.9900, 4.9780

Conversions

Conversions Part 2

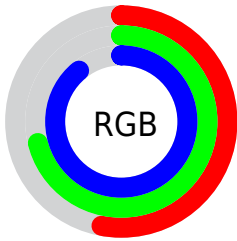
Format	Color
R _Y B	136, 166, 226
Decimal	8959202
CIE Lab	71.80, -3.16, -27.72
CIE LCh	72, 27.896, 263.505
Yxy	43.3677, 0.2485, 0.2681
Android (android.graphics.Color)	4287149282 (0xFF88B4E2)
YUV	172.0880, 26.5786, -31.6492
Hunter-Lab	65.8542, -6.2888, -24.3024

Details

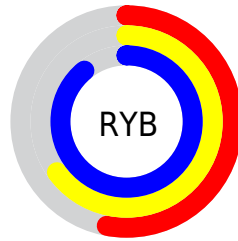
The Yxy color **43.3677, 0.2485, 0.2681** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.3805, 0.3910, 0.3825**, and the grayscale version is **41.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4174, 0.2745, 0.3084**, and **19.8683, 0.2303, 0.2496** is the 20% darker color. If you saturate the color by 10%, you get **37.2043, 0.2324, 0.2494**, and if you desaturate by 10%, it is **50.3215, 0.2650, 0.2856**.

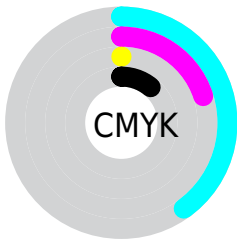
Distribution



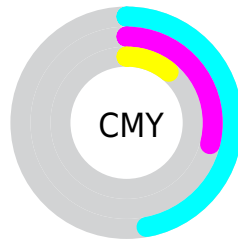
- Red (53%)
- Green (71%)
- Blue (89%)



- Red (53%)
- Yellow (65%)
- Blue (89%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3677, 0.2485, 0.2681 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 43.3677, 0.2485, 0.2681 by changing the saturation by 10% instead.

■ 43.3677, 0.2485,
0.2681

■ 43.3677, 0.2485,
0.2681

■ 360.1218, 0.2802,
0.2985

■ 30.1737, 0.2408,
0.2606

■ 80.2654, 0.2599,
0.2791

■ 19.9705, 0.2311,
0.2512

■ 104.7380, 0.2642,
0.2832

■ 12.3736, 0.2184,
0.2388

■ 133.7389, 0.2679,
0.2867

■ 6.9986, 0.2014,
0.2219

■ 167.6524, 0.2710,
0.2897

■ 3.4613, 0.1775,
0.1981

■ 206.8631, 0.2738,
0.2923

■ 1.3770, 0.1425,
0.1624

■ 251.7553, 0.2762,

■ 0.1997, 0.0373,

0.2946

0.0660

302.7134, 0.2783,
0.2967

0.0000, 0.0000,
0.0000

43.3677, 0.2485,
0.2681

43.3677, 0.2485,
0.2681

37.2043, 0.2324,
0.2494

50.3215, 0.2650,
0.2856

31.7915, 0.2173,
0.2298

58.0928, 0.2814,
0.3016

27.0931, 0.2036,
0.2097

66.7135, 0.2975,
0.3162

23.0668, 0.1920,
0.1897

76.2118, 0.3130,
0.3292

19.6638, 0.1827,
0.1704

86.6147, 0.3277,
0.3408

■ 16.8074, 0.1757,
0.1523

■ 94.6689, 0.3304,
0.3518

■ 16.7625, 0.1756,
0.1520

■ 98.2703, 0.3298,
0.3572

Harmonies

Analogous

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



43.3677, 0.2388, 0.2875



43.3677, 0.2485, 0.2681



43.3677, 0.2746, 0.2648

Triad

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



43.3677, 0.2485, 0.2681



43.3677, 0.3826, 0.3309



43.3677, 0.3091, 0.3906

Complementary

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



43.3677, 0.2485, 0.2681



51.3805, 0.3910, 0.3825

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.



43.3677, 0.3485, 0.4010



43.3677, 0.2485, 0.2681



43.3677, 0.3925, 0.3631

Square

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



43.3677, 0.2485, 0.2681



43.3677, 0.3525, 0.3000



43.3677, 0.3795, 0.3894



43.3677, 0.2723, 0.3599

Rectangle

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



43.3677, 0.2485, 0.2681



43.3677, 0.2989, 0.2711



43.3677, 0.3795, 0.3894



43.3677, 0.3225, 0.3967

Sweetspot

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



43.3694, 0.2485, 0.2681



85.0811, 0.2939, 0.3130



62.9540, 0.2818, 0.3884



17.8851, 0.2918, 0.3112



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.



43.3694, 0.2485, 0.2681



50.0841, 0.2348, 0.2523



28.3240, 0.2391, 0.2072



14.3448, 0.2981, 0.3167



9.8004, 0.1763, 0.1548



0.8582, 0.1842, 0.1831

Inverse Universe

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



37.0640, 0.3632, 0.2781



41.7528, 0.3791, 0.2677



72.3301, 0.3722, 0.4274



13.8117, 0.3216, 0.3176



9.8974, 0.4997, 0.2527



0.7041, 0.4648, 0.2334

Previews

White Background



This preview shows how the Yxy color 43.3677, 0.2485, 0.2681 looks on a white background.

Color Contrast Check

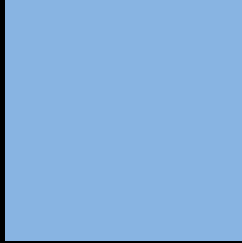
Large Text (above 18pt) WCAG AA × Fail

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 43.3677, 0.2485, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

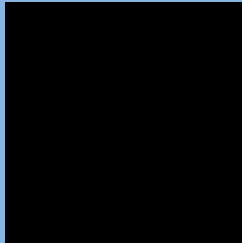
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

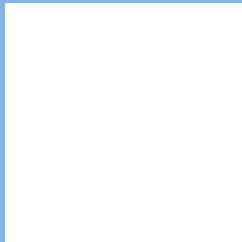
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.3677, 0.2485, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 43.3677, 0.2485, 0.2681.



This preview shows how white text looks on a background with the Yxy color 43.3677, 0.2485, 0.2681.

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

43.3677, 0.2485, 0.2681

Protanopia

43.3851, 0.2695, 0.2689

Deuteranopia

42.9990, 0.2648, 0.2583



Tritanopia

43.5352, 0.2603, 0.3077

Trichromacy



Original Color

43.3677, 0.2485, 0.2681

Protanomaly

43.2484, 0.2614, 0.2680

Deuteranomaly

43.0760, 0.2587, 0.2621

Tritanomaly

43.3760, 0.2564, 0.2930

Monochromacy



Original Color

43.3677, 0.2485, 0.2681

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8366, 0.2860, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3677, 0.2485, 0.2681 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(136, 180, 226)` looks like.

```
.text, #text, p{  
    color:rgb(136, 180, 226)  
}
```

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(136, 180, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 180, 226) }
```

Border

The CSS property to change the border of an element to Yxy 43.3677, 0.2485, 0.2681 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(136, 180, 226) }
```

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

```
.border{ border-color:rgb(136, 180, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 180, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 180, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 180, 226);  
box-shadow:4px 4px 4px 4px rgb(136, 180,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3677, 0.2485, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 180, 226) }
```

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

```
.background{ background-color: rgb(136,  
180, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor