

Converting Colors

$Yxy(44.4144, 0.2463, 0.2668)$

Have a look what the booklet for
Yxy(44.4144, 0.2463, 0.2668)
contains.

Yxy(44.3200, 0.2461, 0.2661)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.3200, 0.2461, 0.2661)

Conversions

Conversions Part 1

Format	Color
Hex	87B6E6
RGB	135, 182, 230
RGB Percent	53%, 71%, 90%
CMY	0.4710, 0.2862, 0.0981
CMYK	0.41, 0.21, 0.00, 0.10
HSL	210°, 66%, 72%
HSV	210°, 41%, 90%
XYZ	40.9889, 44.3200, 81.2450
YIQ	173.4190, -43.4200, 4.9640

Conversions

Conversions Part 2

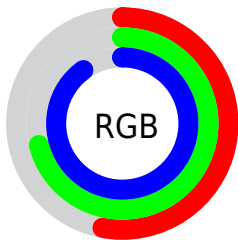
Format	Color
R _Y B	135, 166, 230
Decimal	8894182
CIE Lab	72.44, -3.46, -28.92
CIE LCh	72, 29.122, 263.181
Yxy	44.3200, 0.2461, 0.2661
Android (android.graphics.Color)	4287084262 (0xFF87B6E6)
YUV	173.4190, 27.8944, -33.6935
Hunter-Lab	66.5733, -6.6014, -25.7553

Details

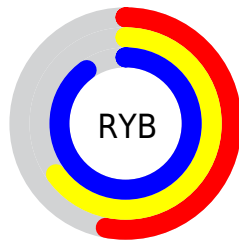
The Yxy color **44.3200, 0.2461, 0.2661** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.3782, 0.3951, 0.3839**, and the grayscale version is **41.8770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4454, 0.2741, 0.3106**, and **20.4620, 0.2285, 0.2487** is the 20% darker color. If you saturate the color by 10%, you get **38.0599, 0.2302, 0.2475**, and if you desaturate by 10%, it is **51.3890, 0.2625, 0.2836**.

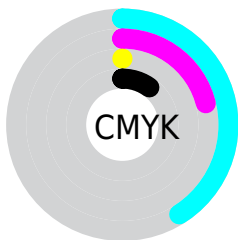
Distribution



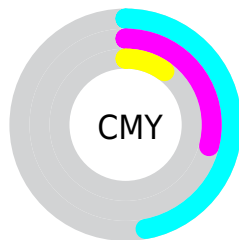
- Red (53%)
- Green (71%)
- Blue (90%)



- Red (53%)
- Yellow (65%)
- Blue (90%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (47%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3200, 0.2461, 0.2661 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 44.3200, 0.2461, 0.2661 by changing the saturation by 10% instead.

■ 44.3200, 0.2461,
0.2661

■ 44.3200, 0.2461,
0.2661

364.0125, 0.2788,
0.2973

■ 30.9222, 0.2382,
0.2585

■ 81.6990, 0.2578,
0.2773

■ 20.5396, 0.2283,
0.2488

■ 106.4490, 0.2622,
0.2816

■ 12.7879, 0.2154,
0.2362

■ 135.7519, 0.2660,
0.2852

■ 7.2826, 0.1982,
0.2193

169.9920, 0.2693,
0.2883

■ 3.6395, 0.1743,
0.1954

209.5537, 0.2721,
0.2910

■ 1.4740, 0.1396,
0.1601

254.8214, 0.2746,

■ 0.2703, 0.0495,

0.2934

0.0775

306.1795, 0.2768,
0.2955

0.0000, 0.0000,
0.0000

44.3200, 0.2461,
0.2661

44.3200, 0.2461,
0.2661

38.0599, 0.2302,
0.2475

51.3890, 0.2625,
0.2836

32.5674, 0.2153,
0.2280

59.2955, 0.2790,
0.2997

27.8044, 0.2020,
0.2081

68.0725, 0.2951,
0.3143

23.7262, 0.1908,
0.1884

77.7496, 0.3107,
0.3274

20.2809, 0.1820,
0.1695

88.3547, 0.3255,
0.3390

■ 17.7418, 0.1761,
0.1540

■ 96.3608, 0.3277,
0.3501

■ 98.4923, 0.3274,
0.3532

Harmonies

Analogous

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



44.3200, 0.2363, 0.2862



44.3200, 0.2461, 0.2661



44.3200, 0.2728, 0.2626

Triad

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



44.3200, 0.2461, 0.2661



44.3200, 0.3850, 0.3304



44.3200, 0.3093, 0.3933

Complementary

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



44.3200, 0.2461, 0.2661



52.3782, 0.3951, 0.3839

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.



44.3200, 0.3501, 0.4036



44.3200, 0.2461, 0.2661



44.3200, 0.3955, 0.3638

Square

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



44.3200, 0.2461, 0.2661



44.3200, 0.3535, 0.2987



44.3200, 0.3821, 0.3912



44.3200, 0.2712, 0.3615

Rectangle

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



44.3200, 0.2461, 0.2661



44.3200, 0.2979, 0.2690



44.3200, 0.3821, 0.3912



44.3200, 0.3232, 0.3995

Sweetspot

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



44.3217, 0.2461, 0.2661



85.1956, 0.2939, 0.3132



65.1239, 0.2809, 0.3912



17.9120, 0.2918, 0.3114



0.0000, 0.0000, 0.0000



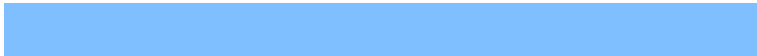
21.4041, 0.3127, 0.3290

Same Dimension

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



44.3217, 0.2461, 0.2661



48.8959, 0.2319, 0.2495



28.1569, 0.2357, 0.2017



15.0611, 0.2981, 0.3168



10.2901, 0.1769, 0.1567



0.9461, 0.1843, 0.1833

Inverse Universe

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



37.5005, 0.3653, 0.2755



40.3161, 0.3823, 0.2645



75.1521, 0.3744, 0.4309



14.4865, 0.3215, 0.3174



10.2365, 0.4973, 0.2513



0.7752, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 44.3200, 0.2461, 0.2661 looks on a white background.

Color Contrast Check

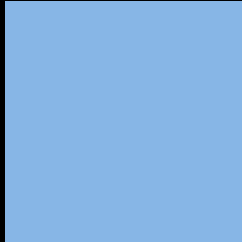
Large Text (above 18pt) WCAG AA × Fail

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 44.3200, 0.2461, 0.2661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

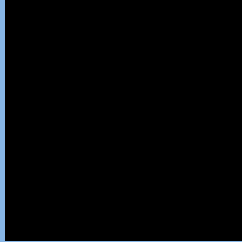
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

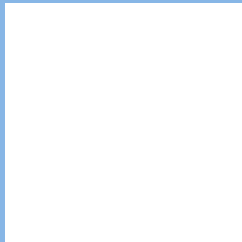
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3200, 0.2461, 0.2661

Background



This preview shows how black text looks on a background with the Yxy color 44.3200, 0.2461, 0.2661.



This preview shows how white text looks on a background with the Yxy color 44.3200, 0.2461, 0.2661.

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

44.3200, 0.2461, 0.2661

Protanopia

44.0955, 0.2678, 0.2657

Deuteranopia

44.0976, 0.2632, 0.2567



Tritanopia

44.3169, 0.2583, 0.3078

Trichromacy



Original Color

44.3200, 0.2461, 0.2661

Protanomaly

44.2569, 0.2592, 0.2661

Deuteranomaly

44.0838, 0.2567, 0.2603

Tritanomaly

44.1972, 0.2538, 0.2919

Monochromacy



Original Color

44.3200, 0.2461, 0.2661

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.3166, 0.2846, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3200, 0.2461, 0.2661 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, 182, 230)` looks like.

```
.text, #text, p{  
    color:rgb(135, 182, 230)  
}
```

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, 182, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 182, 230) }
```

Border

The CSS property to change the border of an element to Yxy 44.3200, 0.2461, 0.2661 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, 182, 230) }
```

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

```
.border{ border-color:rgb(135, 182, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 182, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 182, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 182, 230);  
box-shadow:4px 4px 4px 4px rgb(135, 182,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3200, 0.2461, 0.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 182, 230) }
```

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

```
.background{ background-color: rgb(135,  
182, 230) }
```

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