

Converting Colors

$Y_{xy}(67.8825, 0.2362, 0.3001)$

Have a look what the booklet for
Yxy(67.8825, 0.2362, 0.3001)
contains.

Yxy(67.8825, 0.2362, 0.3001)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8825, 0.2362, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	71E7FF
RGB	113, 231, 255
RGB Percent	44%, 91%, 100%
CMY	0.5571, 0.0941, 0.0000
CMYK	0.56, 0.09, 0.00, 0.00
HSL	190°, 100%, 72%
HSV	190°, 56%, 100%
XYZ	53.4283, 67.8825, 104.8888
YIQ	198.4540, -78.0320, -17.5520

Conversions

Conversions Part 2

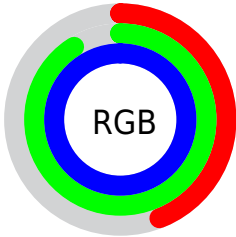
Format	Color
RYB	113, 177, 255
Decimal	7464959
CIELab	85.95, -26.78, -21.75
CIElCh	86, 34.501, 219.085
Yxy	67.8825, 0.2362, 0.3001
Android (android.graphics.Color)	4285655039 (0xFF71E7FF)
YUV	198.4540, 27.8772, -74.9432
Hunter-Lab	82.3908, -28.4313, -17.8063

Details

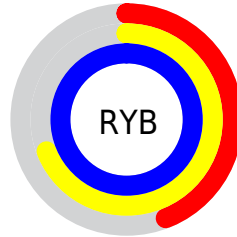
The Yxy color **67.8825, 0.2362, 0.3001** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.3180, 0.4660, 0.3535**, and the grayscale version is **56.6169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **35.1883, 0.2192, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **64.0455, 0.2268, 0.2940**, and if you desaturate by 10%, it is **72.2588, 0.2473, 0.3060**.

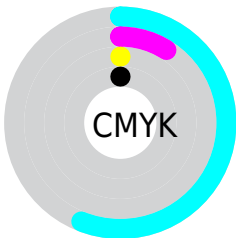
Distribution



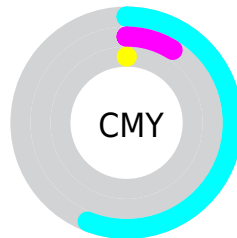
- Red (44%)
- Green (91%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8825, 0.2362, 0.3001 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 67.8825, 0.2362, 0.3001 by changing the saturation by 10% instead.

 67.8825, 0.2362,
0.3001

 67.8825, 0.2362,
0.3001

453.0796, 0.2709,
0.3146


 49.8021, 0.2285,
0.2966

 116.1840, 0.2481,
0.3053

 35.2562, 0.2192,
0.2921


 147.1740, 0.2527,
0.3073

 23.8603, 0.2075,
0.2863


 183.2360, 0.2568,
0.3090

 15.2300, 0.1928,
0.2785

224.7543, 0.2603,
0.3104

 8.9810, 0.1735,
0.2675

272.1135, 0.2634,
0.3116

 4.7288, 0.1475,
0.2510

325.6978, 0.2662,

 2.0890, 0.1116,

0.3127

0.2246

385.8917, 0.2686,
0.3137

0.6584, 0.0000,
0.1861

0.0000, 0.0000,
0.0000

67.8825, 0.2362,
0.3001

67.8825, 0.2362,
0.3001

64.0455, 0.2268,
0.2940

72.2588, 0.2473,
0.3060

60.6987, 0.2194,
0.2879

77.2033, 0.2600,
0.3117

57.7964, 0.2140,
0.2818

82.7516, 0.2738,
0.3170

55.2790, 0.2104,
0.2757

88.9342, 0.2885,
0.3220

■ 54.2800, 0.2092,
0.2731

■ 95.7793, 0.3038,
0.3266

99.9997, 0.3127,
0.3290

Harmonies

Analogous

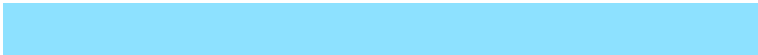
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8825, 0.2538, 0.3402



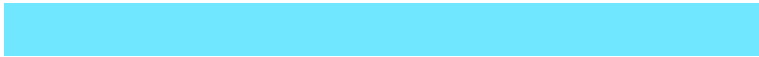
67.8825, 0.2362, 0.3001



67.8825, 0.2374, 0.2720

Triad

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



67.8825, 0.2362, 0.3001



67.8825, 0.3349, 0.2849



67.8825, 0.3683, 0.4022

Complementary

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



67.8825, 0.2362, 0.3001



40.3180, 0.4660, 0.3535

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.



67.8825, 0.3933, 0.3809



67.8825, 0.2362, 0.3001



67.8825, 0.3740, 0.3145

Square

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



67.8825, 0.2362, 0.3001



67.8825, 0.2918, 0.2656



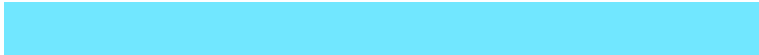
67.8825, 0.3958, 0.3487



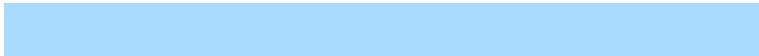
67.8825, 0.3292, 0.4033

Rectangle

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



67.8825, 0.2362, 0.3001



67.8825, 0.2485, 0.2624



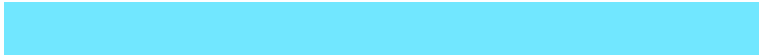
67.8825, 0.3958, 0.3487



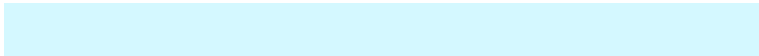
67.8825, 0.3787, 0.3969

Sweetspot

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



67.8851, 0.2362, 0.3001



88.1043, 0.2866, 0.3214



76.8182, 0.2945, 0.4809



18.5845, 0.2836, 0.3204



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.



67.8851, 0.2362, 0.3001



63.5900, 0.2258, 0.2932



35.9682, 0.2166, 0.2079



19.9287, 0.2980, 0.3249



28.5563, 0.2095, 0.2741



2.9124, 0.2114, 0.2810

Inverse Universe

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



38.8253, 0.3415, 0.2154



33.1236, 0.3490, 0.1987



67.3872, 0.4190, 0.4234



18.2446, 0.3164, 0.3095



13.6107, 0.3689, 0.1806



1.3386, 0.3625, 0.1771

Previews

White Background



This preview shows how the Yxy color 67.8825, 0.2362, 0.3001 looks on a white background.

Color Contrast Check

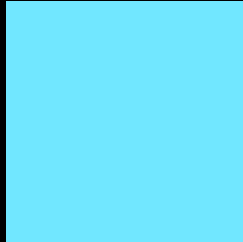
Large Text (above 18pt) WCAG AA × Fail

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 67.8825, 0.2362, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

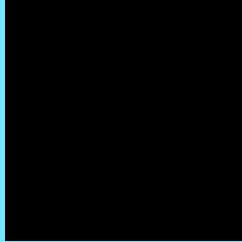
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8825, 0.2362, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 67.8825, 0.2362, 0.3001.

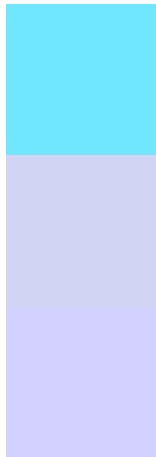


This preview shows how white text looks on a background with the Yxy color 67.8825, 0.2362, 0.3001.

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

67.8825, 0.2362, 0.3001

Protanopia

67.0531, 0.2909, 0.2962

Deuteranopia

66.6698, 0.2842, 0.2798



Tritanopia

68.0578, 0.2374, 0.3059

Trichromacy



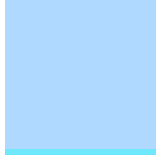
Original Color

67.8825, 0.2362, 0.3001



Protanomaly

66.3771, 0.2664, 0.2968



Deuteranomaly

65.9597, 0.2625, 0.2860



Tritanomaly

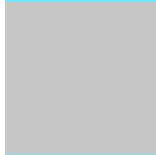
68.1862, 0.2374, 0.3047

Monochromacy



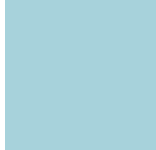
Original Color

67.8825, 0.2362, 0.3001



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.4231, 0.2769, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8825, 0.2362, 0.3001 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(113, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 231, 255)  
}
```

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(113, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8825, 0.2362, 0.3001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

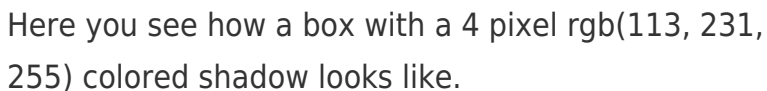
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 231, 255) }
```

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

```
.border{ border-color:rgb(113, 231, 255) }
```

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



Here you see how a box with a 4 pixel rgb(113, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 231, 255); box-shadow:4px 4px 4px 4px rgb(113, 231, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8825, 0.2362, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 231, 255) }
```

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

```
.background{ background-color: rgb(113,  
231, 255) }
```

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