

Converting Colors

$Yxy(63.8671, 0.2334, 0.2912)$

Have a look what the booklet for
Yxy(63.8671, 0.2334, 0.2912)
contains.

Yxy(63.8463, 0.2333, 0.2912)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8463, 0.2333, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	6EE0FF
RGB	110, 224, 255
RGB Percent	43%, 88%, 100%
CMY	0.5681, 0.1216, 0.0000
CMYK	0.57, 0.12, 0.00, 0.00
HSL	193°, 100%, 72%
HSV	193°, 57%, 100%
XYZ	51.1516, 63.8463, 104.2545
YIQ	193.4480, -77.8950, -14.5270

Conversions

Conversions Part 2

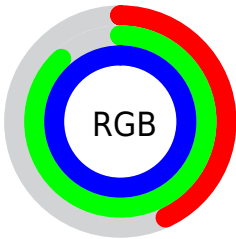
Format	Color
RYB	110, 174, 255
Decimal	7266559
CIELab	83.89, -23.84, -24.91
CIELCh	84, 34.478, 226.256
Yxy	63.8463, 0.2333, 0.2912
Android (android.graphics.Color)	4285456639 (0xFF6EE0FF)
YUV	193.4480, 30.3451, -73.1839
Hunter-Lab	79.9039, -25.5625, -21.4259

Details

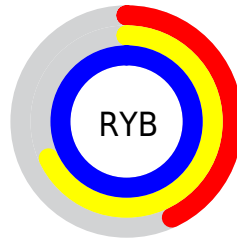
The Yxy color **63.8463, 0.2333, 0.2912** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **41.4856, 0.4659, 0.3605**, and the grayscale version is **53.4785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **32.8105, 0.2156, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **59.5499, 0.2235, 0.2834**, and if you desaturate by 10%, it is **68.7092, 0.2448, 0.2989**.

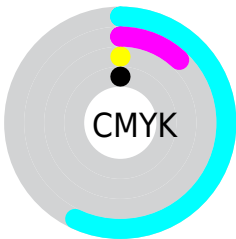
Distribution



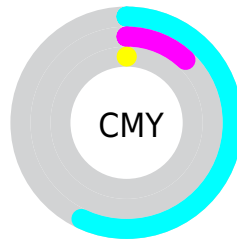
- Red (43%)
- Green (88%)
- Blue (100%)



- Red (43%)
- Yellow (68%)
- Blue (100%)



- Cyan (57%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8463, 0.2333, 0.2912 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 63.8463, 0.2333, 0.2912 by changing the saturation by 10% instead.


 63.8463, 0.2333,
0.2912


 63.8463, 0.2333,
0.2912

438.6344, 0.2696,
0.3099

 46.5262, 0.2252,
0.2867


 110.3896, 0.2457,
0.2979

 32.6613, 0.2153,
0.2810


 140.3815, 0.2506,
0.3005

 21.8671, 0.2030,
0.2736


 175.3662, 0.2549,
0.3026

 13.7593, 0.1874,
0.2636

215.7280, 0.2585,
0.3045

 7.9534, 0.1669,
0.2498

261.8513, 0.2618,
0.3061

 4.0652, 0.1393,
0.2294

314.1206, 0.2647,

 1.7101, 0.1015,

0.3075

0.1973

372.9201, 0.2673,
0.3088

■ 0.4302, 0.0000,
0.1322

■ 0.0000, 0.0000,
0.0000

■ 63.8463, 0.2333,
0.2912

■ 63.8463, 0.2333,
0.2912

■ 59.5499, 0.2235,
0.2834

■ 68.7092, 0.2448,
0.2989

■ 55.7752, 0.2156,
0.2754

■ 74.1738, 0.2578,
0.3062

■ 52.4733, 0.2098,
0.2675

■ 80.2746, 0.2719,
0.3131

■ 49.5816, 0.2058,
0.2596

■ 87.0428, 0.2868,
0.3194

■ 48.7147, 0.2048,
0.2571

■ 94.5073, 0.3021,
0.3253

100.0000, 0.3127,
0.3290

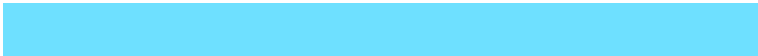
Harmonies

Analogous

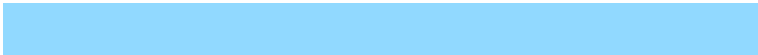
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.8463, 0.2468, 0.3300



63.8463, 0.2333, 0.2912



63.8463, 0.2391, 0.2665

Triad

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



63.8463, 0.2333, 0.2912



63.8463, 0.3458, 0.2906



63.8463, 0.3607, 0.4062

Complementary

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



63.8463, 0.2333, 0.2912



41.4856, 0.4659, 0.3605

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.



63.8463, 0.3906, 0.3884



63.8463, 0.2333, 0.2912



63.8463, 0.3825, 0.3223

Square

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



63.8463, 0.2333, 0.2912



63.8463, 0.3015, 0.2680



63.8463, 0.3992, 0.3573



63.8463, 0.3191, 0.4014

Rectangle

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



63.8463, 0.2333, 0.2912



63.8463, 0.2532, 0.2596



63.8463, 0.3992, 0.3573



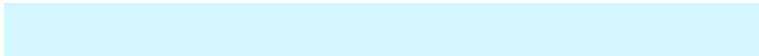
63.8463, 0.3725, 0.4024

Sweetspot

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



63.8471, 0.2333, 0.2912



86.9053, 0.2865, 0.3193



76.7117, 0.2923, 0.4783



18.2991, 0.2835, 0.3181



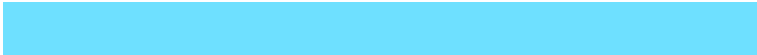
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.8471, 0.2333, 0.2912



59.0728, 0.2225, 0.2824



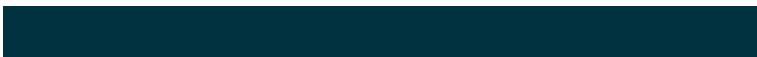
33.5237, 0.2133, 0.1987



19.7824, 0.2980, 0.3238



25.6815, 0.2051, 0.2584



2.6571, 0.2076, 0.2674

Inverse Universe

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



37.8238, 0.3490, 0.2190



32.2897, 0.3585, 0.2035



69.2477, 0.4183, 0.4292



18.2298, 0.3171, 0.3105



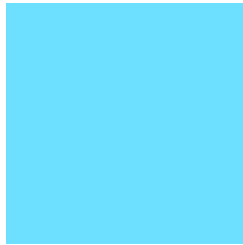
13.3205, 0.3840, 0.1889



1.3128, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 63.8463, 0.2333, 0.2912 looks on a white background.

Color Contrast Check

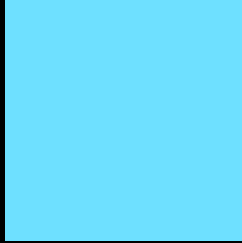
Large Text (above 18pt) WCAG AA × Fail

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 63.8463, 0.2333, 0.2912 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 63.8463, 0.2333, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 63.8463, 0.2333, 0.2912.

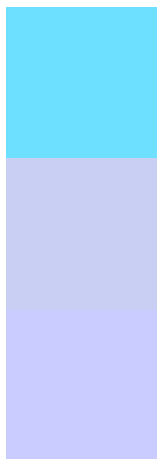


This preview shows how white text looks on a background with the Yxy color 63.8463, 0.2333, 0.2912.

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

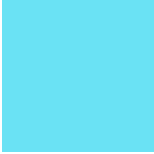
63.8463, 0.2333, 0.2912

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

62.9623, 0.2778, 0.2733



Tritanopia

63.9885, 0.2369, 0.3065

Trichromacy



Original Color

63.8463, 0.2333, 0.2912



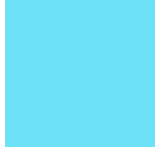
Protanomaly

62.6287, 0.2621, 0.2893



Deuteranomaly

62.2435, 0.2582, 0.2785



Tritanomaly

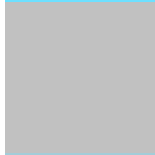
63.8159, 0.2357, 0.3005

Monochromacy



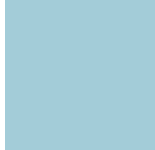
Original Color

63.8463, 0.2333, 0.2912



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.9301, 0.2755, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8463, 0.2333, 0.2912 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(110, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 224, 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(110, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8463, 0.2333, 0.2912 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(110, 224, 255) }
```

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

```
.border{ border-color:rgb(110, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8463, 0.2333, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 224, 255) }
```

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

```
.background{ background-color: rgb(110,  
224, 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