

Converting Colors

$Yxy(44.6432, 0.2191, 0.2393)$

Have a look what the booklet for
Yxy(44.6432, 0.2191, 0.2393)
contains.

| | |
|--|----|
| Yxy(44.8015, 0.2193, 0.2397) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(44.8015, 0.2193, 0.2397)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 67B9FF |
| RGB | 103, 185, 255 |
| RGB Percent | 40%, 73%, 100% |
| CMY | 0.5964, 0.2745, 0.0000 |
| CMYK | 0.60, 0.27, 0.00, 0.00 |
| HSL | 208°, 100%, 70% |
| HSV | 208°, 60%, 100% |
| XYZ | 40.9886, 44.8015, 101.1164 |
| YIQ | 168.4620, -71.3420, 4.3860 |

Conversions

Conversions Part 2

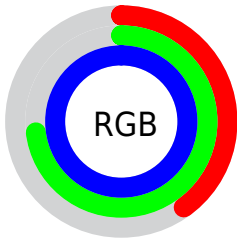
| Format | Color |
|-------------------------------------|---|
| RYB | 103, 156, 255 |
| Decimal | 6797823 |
| CIELab | 72.76, -4.83, -42.09 |
| CIELCh | 73, 42.367, 263.448 |
| Yxy | 44.8015, 0.2193, 0.2397 |
| Android (android.graphics.Color) | 4284987903 (0xFF67B9FF) |
| YUV | 168.4620, 42.6632, -57.4102 |
| Hunter-Lab | 66.9339, -7.8256, -42.7151 |

Details

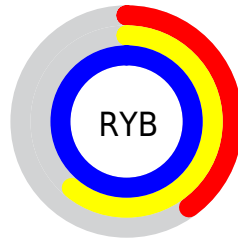
The Yxy color **44.8015, 0.2193, 0.2397** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.0917, 0.4492, 0.3992**, and the grayscale version is **39.2003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0231, 0.2602, 0.3132**, and **20.7739, 0.1960, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **38.8081, 0.2064, 0.2216**, and if you desaturate by 10%, it is **51.6595, 0.2338, 0.2574**.

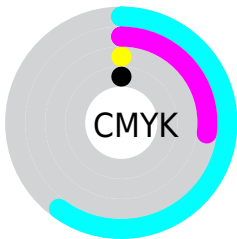
Distribution



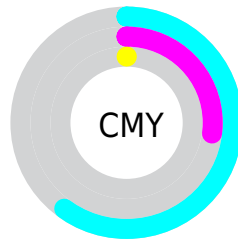
- Red (40%)
- Green (73%)
- Blue (100%)



- Red (40%)
- Yellow (61%)
- Blue (100%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8015, 0.2193, 0.2397 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 44.8015, 0.2193, 0.2397 by changing the saturation by 10% instead.

■ 44.8015, 0.2193,
0.2397

■ 44.8015, 0.2193,
0.2397

365.9690, 0.2641,
0.2832

■ 31.3011, 0.2089,
0.2295

■ 82.4225, 0.2350,
0.2551

■ 20.8282, 0.1961,
0.2167

■ 107.3118, 0.2411,
0.2610

■ 12.9985, 0.1800,
0.2006

■ 136.7663, 0.2463,
0.2660

■ 7.4275, 0.1592,
0.1797

171.1702, 0.2508,
0.2704

■ 3.7309, 0.1322,
0.1519

210.9081, 0.2548,
0.2742

■ 1.5242, 0.0967,
0.1146

256.3643, 0.2583,

■ 0.3057, 0.0283,

0.2776

0.0502

307.9231, 0.2614,
0.2805

0.0000, 0.0000,
0.0000

44.8015, 0.2193,
0.2397

44.8015, 0.2193,
0.2397

38.8081, 0.2064,
0.2216

51.6595, 0.2338,
0.2574

33.6266, 0.1954,
0.2034

59.4297, 0.2494,
0.2743

29.1951, 0.1867,
0.1857

68.1551, 0.2655,
0.2900

25.4223, 0.1803,
0.1687

77.8754, 0.2817,
0.3045

25.2944, 0.1800,
0.1681

88.6278, 0.2977,
0.3176

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.



44.8015, 0.2058, 0.2657



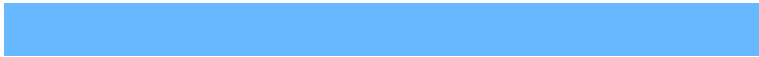
44.8015, 0.2193, 0.2397



44.8015, 0.2558, 0.2365

Triad

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



44.8015, 0.2193, 0.2397



44.8015, 0.4183, 0.3292



44.8015, 0.3055, 0.4250

Complementary

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



44.8015, 0.2193, 0.2397



52.0917, 0.4492, 0.3992

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.



44.8015, 0.3638, 0.4381



44.8015, 0.2193, 0.2397



44.8015, 0.4323, 0.3755

Square

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



44.8015, 0.2193, 0.2397



44.8015, 0.3719, 0.2861



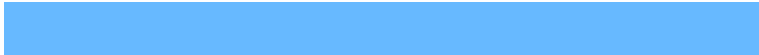
44.8015, 0.4109, 0.4164



44.8015, 0.2520, 0.3761

Rectangle

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



44.8015, 0.2193, 0.2397



44.8015, 0.2910, 0.2457



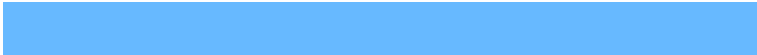
44.8015, 0.4109, 0.4164



44.8015, 0.3252, 0.4339

Sweetspot

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



44.8014, 0.2193, 0.2397



79.5647, 0.2843, 0.3067



77.3530, 0.2751, 0.4366



16.3918, 0.2796, 0.3027



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.



44.8014, 0.2193, 0.2397



37.5129, 0.2036, 0.2173



21.3651, 0.1980, 0.1445



19.0022, 0.2979, 0.3178



13.5192, 0.1808, 0.1709



1.5350, 0.1862, 0.1903

Inverse Universe

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



34.4486, 0.3947, 0.2479



28.7389, 0.4210, 0.2381



89.0019, 0.4014, 0.4636



18.1511, 0.3209, 0.3162



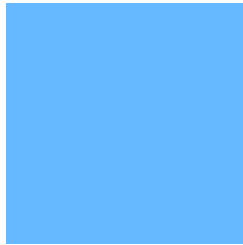
12.0927, 0.4796, 0.2415



1.1995, 0.4564, 0.2288

Previews

White Background



This preview shows how the Yxy color 44.8015, 0.2193, 0.2397 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 44.8015, 0.2193, 0.2397 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

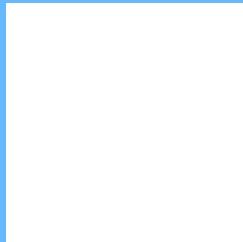
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8015, 0.2193, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 44.8015, 0.2193, 0.2397.



This preview shows how white text looks on a background with the Yxy color 44.8015, 0.2193, 0.2397.

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

44.8015, 0.2193, 0.2397

Protanopia

44.4433, 0.2485, 0.2410

Deuteranopia

44.4737, 0.2389, 0.2330



Tritanopia

45.0260, 0.2344, 0.3071

Trichromacy



Original Color

44.8015, 0.2193, 0.2397

Protanomaly

44.4607, 0.2363, 0.2405

Deuteranomaly

44.2855, 0.2307, 0.2347

Tritanomaly

44.9262, 0.2283, 0.2804

Monochromacy



Original Color

44.8015, 0.2193, 0.2397

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.3715, 0.2687, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8015, 0.2193, 0.2397 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(103, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 185, 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(103, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8015, 0.2193, 0.2397 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(103, 185, 255) }
```

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

```
.border{ border-color:rgb(103, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8015, 0.2193, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 185, 255) }
```

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

```
.background{ background-color: rgb(103,  
185, 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