

Converting Colors

$Y_{xy}(44.7798, 0.2440, 0.2897)$

Have a look what the booklet for
Yxy(44.7798, 0.2440, 0.2897)
contains.

Yxy(44.6892, 0.2438, 0.2889)	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(44.6892, 0.2438, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	74BCD9
RGB	116, 188, 217
RGB Percent	45%, 74%, 85%
CMY	0.5450, 0.2627, 0.1490
CMYK	0.47, 0.13, 0.00, 0.15
HSL	197°, 57%, 65%
HSV	197°, 47%, 85%
XYZ	37.7128, 44.6892, 72.2854
YIQ	169.7780, -52.2210, -6.2450

Conversions

Conversions Part 2

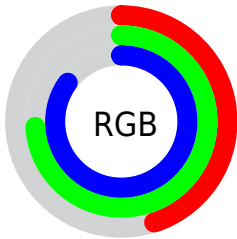
Format	Color
R _Y B	116, 158, 217
Decimal	7650521
CIE Lab	72.69, -14.86, -21.56
CIE LCh	73, 26.188, 235.432
Yxy	44.6892, 0.2438, 0.2889
Android (android.graphics.Color)	4285840601 (0xFF74BCD9)
YUV	169.7780, 23.2804, -47.1633
Hunter-Lab	66.8500, -16.2883, -17.3158

Details

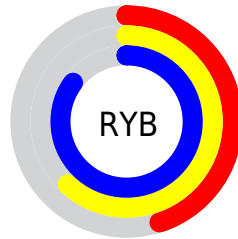
The Yxy color **44.6892, 0.2438, 0.2889** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.2752, 0.4211, 0.3646**, and the grayscale version is **39.9877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8056, 0.2651, 0.3168**, and **20.8361, 0.2255, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **40.7669, 0.2313, 0.2785**, and if you desaturate by 10%, it is **49.0772, 0.2575, 0.2988**.

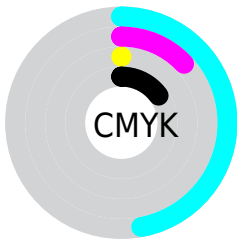
Distribution



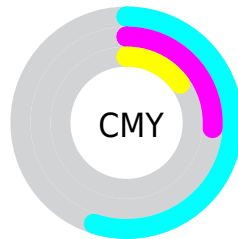
- Red (45%)
- Green (74%)
- Blue (85%)



- Red (45%)
- Yellow (62%)
- Blue (85%)



- Cyan (47%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (55%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6892, 0.2438, 0.2889 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 44.6892, 0.2438, 0.2889 by changing the saturation by 10% instead.

■ 44.6892, 0.2438,
0.2889

■ 44.6892, 0.2438,
0.2889

■ 365.5134, 0.2775,
0.3096

■ 31.2127, 0.2357,
0.2836

■ 82.2538, 0.2559,
0.2965

■ 20.7609, 0.2254,
0.2768

■ 107.1107, 0.2604,
0.2993

■ 12.9493, 0.2121,
0.2676

■ 136.5299, 0.2643,
0.3017

■ 7.3937, 0.1943,
0.2548

■ 170.8957, 0.2677,
0.3038

■ 3.7095, 0.1694,
0.2358

■ 210.5926, 0.2706,
0.3055

■ 1.5124, 0.1329,
0.2053

■ 256.0049, 0.2732,

■ 0.2974, 0.0000,

0.3070

0.1232

307.5170, 0.2755,
0.3084

0.0000, 0.0000,
0.0000

44.6892, 0.2438,
0.2889

44.6892, 0.2438,
0.2889

40.7669, 0.2313,
0.2785

49.0772, 0.2575,
0.2988

37.2794, 0.2204,
0.2678

53.9495, 0.2721,
0.3080

34.1990, 0.2114,
0.2570

59.3295, 0.2873,
0.3165

31.4920, 0.2043,
0.2461

65.2373, 0.3027,
0.3243

29.1155, 0.1992,
0.2353

71.6920, 0.3180,
0.3314

■ 28.3427, 0.1977,
0.2316

■ 78.7113, 0.3331,
0.3377

■ 83.7766, 0.3385,
0.3437

■ 87.3411, 0.3376,
0.3498

■ 91.0313, 0.3367,
0.3558

Harmonies

Analogous

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



44.6892, 0.2506, 0.3193



44.6892, 0.2438, 0.2889



44.6892, 0.2539, 0.2716

Triad

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



44.6892, 0.2438, 0.2889



44.6892, 0.3519, 0.3037



44.6892, 0.3439, 0.3958

Complementary

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



44.6892, 0.2438, 0.2889



36.2752, 0.4211, 0.3646

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.



44.6892, 0.3734, 0.3865



44.6892, 0.2438, 0.2889



44.6892, 0.3789, 0.3329

Square

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



44.6892, 0.2438, 0.2889



44.6892, 0.3149, 0.2810



44.6892, 0.3867, 0.3629



44.6892, 0.3071, 0.3846

Rectangle

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



44.6892, 0.2438, 0.2889



44.6892, 0.2693, 0.2684



44.6892, 0.3867, 0.3629



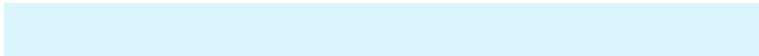
44.6892, 0.3551, 0.3948

Sweetspot

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



44.6909, 0.2438, 0.2889



87.4774, 0.2910, 0.3185



55.3758, 0.2902, 0.4331



18.3402, 0.2876, 0.3167



0.0000, 0.0000, 0.0000



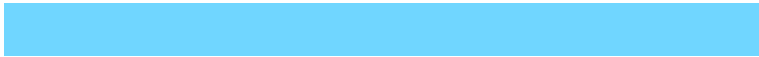
21.4041, 0.3127, 0.3290

Same Dimension

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



44.6909, 0.2438, 0.2889



58.7612, 0.2313, 0.2786



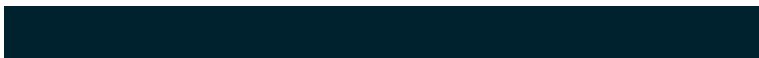
26.8754, 0.2305, 0.2150



14.1646, 0.2982, 0.3221



17.3456, 0.1981, 0.2332



1.2684, 0.2030, 0.2506

Inverse Universe

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



30.8807, 0.3486, 0.2450



37.7466, 0.3594, 0.2292



55.1005, 0.3921, 0.4210



13.2077, 0.3181, 0.3125



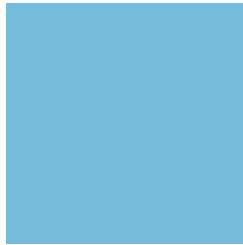
10.3748, 0.4093, 0.2029



0.6867, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 44.6892, 0.2438, 0.2889 looks on a white background.

Color Contrast Check

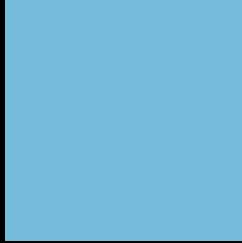
Large Text (above 18pt) WCAG AA × Fail

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 44.6892, 0.2438, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

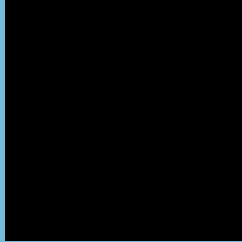
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6892, 0.2438, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 44.6892, 0.2438, 0.2889.



This preview shows how white text looks on a background with the Yxy color 44.6892, 0.2438, 0.2889.

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

44.6892, 0.2438, 0.2889

Protanopia

44.3120, 0.2833, 0.2864

Deuteranopia

44.3236, 0.2770, 0.2711



Tritanopia

44.6794, 0.2486, 0.3076

Trichromacy



Original Color

44.6892, 0.2438, 0.2889

Protanomaly

43.9753, 0.2668, 0.2864

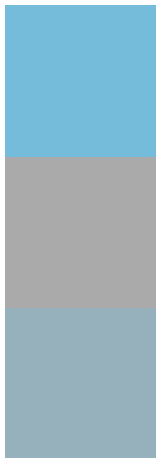
Deuteranomaly

44.0301, 0.2629, 0.2766

Tritanomaly

44.5094, 0.2467, 0.3007

Monochromacy



Original Color

44.6892, 0.2438, 0.2889

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.5162, 0.2827, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6892, 0.2438, 0.2889 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(116, 188, 217)` looks like.

```
.text, #text, p{  
    color:rgb(116, 188, 217)  
}
```

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(116, 188, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 188, 217) }
```

Border

The CSS property to change the border of an element to Yxy 44.6892, 0.2438, 0.2889 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(116, 188, 217) }
```

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

```
.border{ border-color:rgb(116, 188, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 188, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 188, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 188, 217);  
box-shadow:4px 4px 4px 4px rgb(116, 188,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6892, 0.2438, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 188, 217) }
```

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

```
.background{ background-color: rgb(116,  
188, 217) }
```

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