

Converting Colors

$Yxy(43.0882, 0.2431, 0.2827)$

Have a look what the booklet for
Yxy(43.0882, 0.2431, 0.2827)
contains.

Yxy(43.0726, 0.2433, 0.2832)	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(43.0726, 0.2433, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	75B8D9
RGB	117, 184, 217
RGB Percent	46%, 72%, 85%
CMY	0.5411, 0.2784, 0.1490
CMYK	0.46, 0.15, 0.00, 0.15
HSL	200°, 57%, 65%
HSV	200°, 46%, 85%
XYZ	37.0041, 43.0726, 72.0158
YIQ	167.7290, -50.5250, -3.9410

Conversions

Conversions Part 2

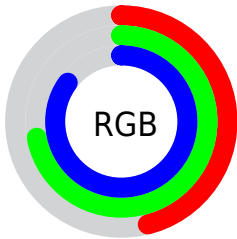
Format	Color
R _{YB}	117, 157, 217
Decimal	7715033
CIE Lab	71.60, -12.51, -23.21
CIE LCh	72, 26.369, 241.683
Yxy	43.0726, 0.2433, 0.2832
Android (android.graphics.Color)	4285905113 (0xFF75B8D9)
YUV	167.7290, 24.2906, -44.4893
Hunter-Lab	65.6297, -14.2081, -19.1184

Details

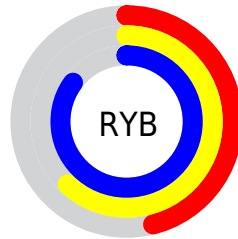
The Yxy color **43.0726, 0.2433, 0.2832** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.8633, 0.4170, 0.3694**, and the grayscale version is **38.9191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5388, 0.2651, 0.3123**, and **19.8019, 0.2247, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **38.8390, 0.2302, 0.2712**, and if you desaturate by 10%, it is **47.8087, 0.2575, 0.2946**.

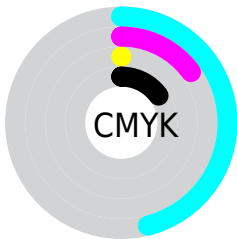
Distribution



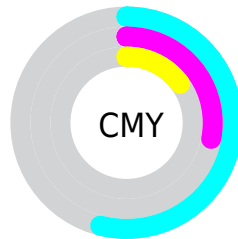
- Red (46%)
- Green (72%)
- Blue (85%)



- Red (46%)
- Yellow (62%)
- Blue (85%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)





- Cyan (54%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0726, 0.2433, 0.2832 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 43.0726, 0.2433, 0.2832 by changing the saturation by 10% instead.


 43.0726, 0.2433,
0.2832


 43.0726, 0.2433,
0.2832


358.9103, 0.2775,
0.3067


 29.9421, 0.2350,
0.2772


 79.8204, 0.2555,
0.2918

 19.7946, 0.2245,
0.2695

 104.2065, 0.2602,
0.2951

 12.2458, 0.2109,
0.2592


 133.1132, 0.2642,
0.2978

 6.9113, 0.1926,
0.2448

166.9250, 0.2676,
0.3001

 3.4067, 0.1670,
0.2235

206.0261, 0.2705,
0.3021

 1.3476, 0.1293,
0.1899

250.8012, 0.2731,

 0.1776, 0.0000,

0.3038

0.0783

301.6344, 0.2754,
0.3054

0.0000, 0.0000,
0.0000

43.0726, 0.2433,
0.2832

43.0726, 0.2433,
0.2832

38.8390, 0.2302,
0.2712

47.8087, 0.2575,
0.2946

35.0763, 0.2186,
0.2587

53.0666, 0.2725,
0.3053

31.7564, 0.2088,
0.2460

58.8704, 0.2879,
0.3151

28.8449, 0.2010,
0.2334

65.2408, 0.3034,
0.3240

26.2992, 0.1953,
0.2209

72.1975, 0.3187,
0.3321

■ 25.3710, 0.1934,
0.2161

■ 79.7590, 0.3336,
0.3392

■ 85.2039, 0.3381,
0.3461

■ 89.3703, 0.3371,
0.3531

■ 93.7036, 0.3361,
0.3600

Harmonies

Analogous

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



43.0726, 0.2466, 0.3118



43.0726, 0.2433, 0.2832



43.0726, 0.2570, 0.2688

Triad

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



43.0726, 0.2433, 0.2832



43.0726, 0.3596, 0.3090



43.0726, 0.3369, 0.3965

Complementary

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



43.0726, 0.2433, 0.2832



37.8633, 0.4170, 0.3694

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.



43.0726, 0.3694, 0.3911



43.0726, 0.2433, 0.2832



43.0726, 0.3836, 0.3394

Square

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



43.0726, 0.2433, 0.2832



43.0726, 0.3230, 0.2842



43.0726, 0.3870, 0.3693



43.0726, 0.2992, 0.3808

Rectangle

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



43.0726, 0.2433, 0.2832



43.0726, 0.2747, 0.2677



43.0726, 0.3870, 0.3693



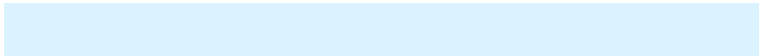
43.0726, 0.3489, 0.3970

Sweetspot

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



43.0742, 0.2433, 0.2832



86.5552, 0.2909, 0.3169



55.5750, 0.2885, 0.4269



18.1145, 0.2876, 0.3149



0.0000, 0.0000, 0.0000



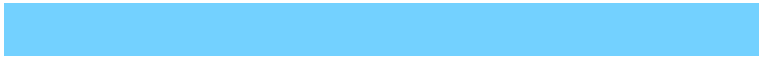
21.4041, 0.3127, 0.3290

Same Dimension

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



43.0742, 0.2433, 0.2832



56.2982, 0.2309, 0.2719



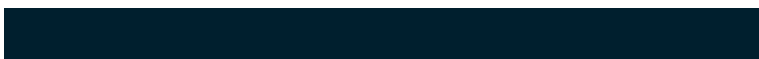
26.2216, 0.2305, 0.2114



14.0673, 0.2982, 0.3211



15.5574, 0.1939, 0.2179



1.1632, 0.1995, 0.2381

Inverse Universe

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



30.9426, 0.3530, 0.2504



38.0528, 0.3648, 0.2360



56.7382, 0.3895, 0.4236



13.1979, 0.3188, 0.3135



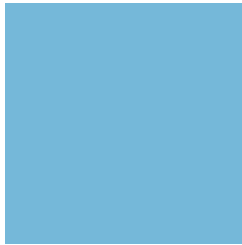
10.1943, 0.4255, 0.2118



0.6761, 0.4042, 0.2001

Previews

White Background



This preview shows how the Yxy color 43.0726, 0.2433, 0.2832 looks on a white background.

Color Contrast Check

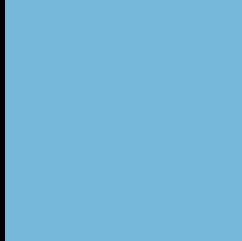
Large Text (above 18pt) WCAG AA × Fail

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 43.0726, 0.2433, 0.2832 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 43.0726, 0.2433, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 43.0726, 0.2433, 0.2832.



This preview shows how white text looks on a background with the Yxy color 43.0726, 0.2433, 0.2832.

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

43.0726, 0.2433, 0.2832

Protanopia

42.7061, 0.2799, 0.2820

Deuteranopia

42.6180, 0.2729, 0.2666



Tritanopia

43.2497, 0.2495, 0.3073

Trichromacy



Original Color

43.0726, 0.2433, 0.2832

Protanomaly

42.5873, 0.2649, 0.2821

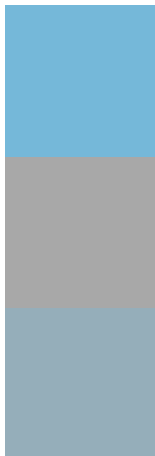
Deuteranomaly

42.5547, 0.2604, 0.2722

Tritanomaly

43.2002, 0.2476, 0.2991

Monochromacy



Original Color

43.0726, 0.2433, 0.2832

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.2068, 0.2823, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0726, 0.2433, 0.2832 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(117, 184, 217)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 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(117, 184, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 217) }
```

Border

The CSS property to change the border of an element to Yxy 43.0726, 0.2433, 0.2832 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(117, 184, 217) }
```

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

```
.border{ border-color:rgb(117, 184, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 184, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 184, 217); box-shadow:4px 4px 4px 4px rgb(117, 184, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0726, 0.2433, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 217) }
```

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

```
.background{ background-color: rgb(117,  
184, 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