

Converting Colors

$Y_{xy}(43.6200, 0.2428, 0.2666)$

Have a look what the booklet for
Yxy(43.6200, 0.2428, 0.2666)
contains.

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Color

Yxy(43.7022, 0.2426, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	80B6E5
RGB	128, 182, 229
RGB Percent	50%, 71%, 90%
CMY	0.4981, 0.2862, 0.1020
CMYK	0.44, 0.21, 0.00, 0.10
HSL	208°, 66%, 70%
HSV	208°, 44%, 90%
XYZ	39.7680, 43.7022, 80.4540
YIQ	171.2120, -47.2710, 3.1690

Conversions

Conversions Part 2

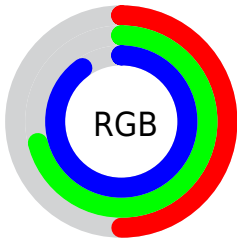
Format	Color
RYB	128, 163, 229
Decimal	8435429
CIELab	72.03, -5.47, -29.04
CIELCh	72, 29.547, 259.338
Yxy	43.7022, 0.2426, 0.2666
Android (android.graphics.Color)	4286625509 (0xFF80B6E5)
YUV	171.2120, 28.4895, -37.8969
Hunter-Lab	66.1076, -8.3091, -25.8815

Details

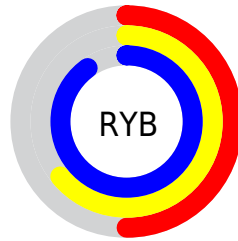
The Yxy color **43.7022, 0.2426, 0.2666** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.8543, 0.4041, 0.3832**, and the grayscale version is **40.7072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6834, 0.2707, 0.3104**, and **20.0954, 0.2241, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **37.9268, 0.2275, 0.2493**, and if you desaturate by 10%, it is **50.2132, 0.2585, 0.2829**.

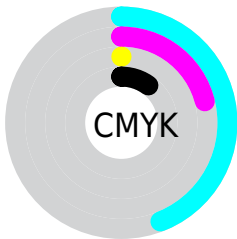
Distribution



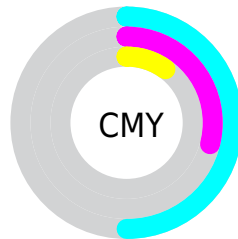
- Red (50%)
- Green (71%)
- Blue (90%)



- Red (50%)
- Yellow (64%)
- Blue (90%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7022, 0.2426, 0.2666 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 43.7022, 0.2426, 0.2666 by changing the saturation by 10% instead.

■ 43.7022, 0.2426,
0.2666

■ 43.7022, 0.2426,
0.2666

■ 361.4917, 0.2770,
0.2978

■ 30.4365, 0.2343,
0.2589

■ 80.7694, 0.2549,
0.2779

■ 20.1701, 0.2239,
0.2492

■ 105.3397, 0.2596,
0.2821

■ 12.5188, 0.2104,
0.2365

■ 134.4470, 0.2636,
0.2857

■ 7.0980, 0.1924,
0.2193

■ 168.4756, 0.2670,
0.2888

■ 3.5235, 0.1674,
0.1950

■ 207.8100, 0.2700,
0.2915

■ 1.4107, 0.1314,
0.1589

■ 252.8345, 0.2726,

■ 0.2246, 0.0245,

0.2938

0.0689

303.9336, 0.2749,
0.2959

0.0000, 0.0000,
0.0000

43.7022, 0.2426,
0.2666

43.7022, 0.2426,
0.2666

37.9268, 0.2275,
0.2493

50.2132, 0.2585,
0.2829

32.8475, 0.2135,
0.2313

57.4867, 0.2747,
0.2980

28.4275, 0.2013,
0.2130

65.5540, 0.2907,
0.3118

24.6236, 0.1913,
0.1948

74.4430, 0.3064,
0.3243

21.3842, 0.1835,
0.1773

84.1797, 0.3215,
0.3354

■ 19.6963, 0.1798,
0.1674

■ 92.7694, 0.3290,
0.3456

■ 98.4361, 0.3280,
0.3542

Harmonies

Analogous

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



43.7022, 0.2350, 0.2891



43.7022, 0.2426, 0.2666



43.7022, 0.2677, 0.2610

Triad

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



43.7022, 0.2426, 0.2666



43.7022, 0.3833, 0.3260



43.7022, 0.3146, 0.3974

Complementary

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



43.7022, 0.2426, 0.2666



48.8543, 0.4041, 0.3832

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.



43.7022, 0.3556, 0.4047



43.7022, 0.2426, 0.2666



43.7022, 0.3971, 0.3601

Square

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



43.7022, 0.2426, 0.2666



43.7022, 0.3491, 0.2944



43.7022, 0.3864, 0.3894



43.7022, 0.2748, 0.3671

Rectangle

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



43.7022, 0.2426, 0.2666



43.7022, 0.2924, 0.2662



43.7022, 0.3864, 0.3894



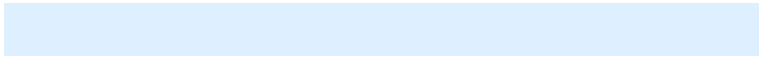
43.7022, 0.3287, 0.4026

Sweetspot

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



43.7038, 0.2426, 0.2666



84.8010, 0.2924, 0.3132



63.6501, 0.2819, 0.4033



17.6373, 0.2888, 0.3103



0.0000, 0.0000, 0.0000



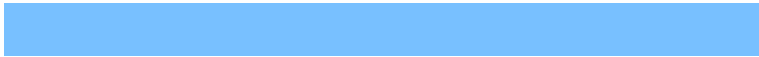
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7038, 0.2426, 0.2666



48.9663, 0.2286, 0.2507



27.0272, 0.2309, 0.1985



15.1576, 0.2981, 0.3178



11.5069, 0.1806, 0.1700



1.0359, 0.1875, 0.1950

Inverse Universe

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



35.4660, 0.3658, 0.2677



38.4692, 0.3824, 0.2560



71.4876, 0.3803, 0.4327



14.4963, 0.3209, 0.3165



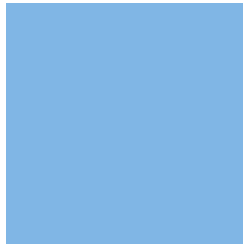
10.3593, 0.4807, 0.2421



0.7843, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 43.7022, 0.2426, 0.2666 looks on a white background.

Color Contrast Check

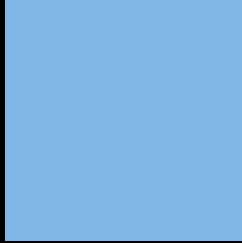
Large Text (above 18pt) WCAG AA × Fail

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 43.7022, 0.2426, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

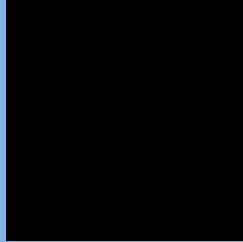
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7022, 0.2426, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 43.7022, 0.2426, 0.2666.



This preview shows how white text looks on a background with the Yxy color 43.7022, 0.2426, 0.2666.

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

43.7022, 0.2426, 0.2666

Protanopia

43.4923, 0.2682, 0.2666

Deuteranopia

43.4432, 0.2623, 0.2562



Tritanopia

43.7980, 0.2541, 0.3076

Trichromacy



Original Color

43.7022, 0.2426, 0.2666

Protanomaly

43.4598, 0.2582, 0.2667

Deuteranomaly

43.2479, 0.2544, 0.2596

Tritanomaly

43.6623, 0.2497, 0.2915

Monochromacy



Original Color

43.7022, 0.2426, 0.2666

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.4343, 0.2828, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7022, 0.2426, 0.2666 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(128, 182, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 182, 229)  
}
```

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(128, 182, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 182, 229) }
```

Border

The CSS property to change the border of an element to Yxy 43.7022, 0.2426, 0.2666 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(128, 182, 229) }
```

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

```
.border{ border-color:rgb(128, 182, 229) }
```

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

Here you see how a box with a 4 pixel rgb(128, 182, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 182, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 182, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 182,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7022, 0.2426, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 182, 229) }
```

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

```
.background{ background-color: rgb(128,  
182, 229) }
```

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](#).

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