

Converting Colors

$Y_{xy}(47.2229, 0.2397, 0.2711)$

Have a look what the booklet for
Yxy(47.2229, 0.2397, 0.2711)
contains.

Yxy(47.1102, 0.2393, 0.2702)	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(47.1102, 0.2393, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	7CBEEB
RGB	124, 190, 235
RGB Percent	49%, 75%, 92%
CMY	0.5138, 0.2549, 0.0783
CMYK	0.47, 0.19, 0.00, 0.08
HSL	204°, 74%, 70%
HSV	204°, 47%, 92%
XYZ	41.7227, 47.1102, 85.5202
YIQ	175.3960, -53.7810, 0.0030

Conversions

Conversions Part 2

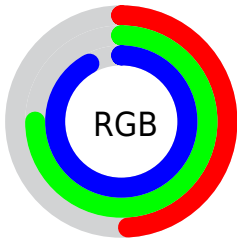
Format	Color
RYB	124, 165, 235
Decimal	8175339
CIELab	74.26, -9.05, -28.91
CIElCh	74, 30.293, 252.609
Yxy	47.1102, 0.2393, 0.2702
Android (android.graphics.Color)	4286365419 (0xFF7CBEEB)
YUV	175.3960, 29.3848, -45.0743
Hunter-Lab	68.6369, -11.6087, -25.8284

Details

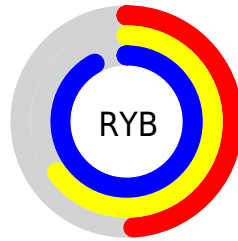
The Yxy color **47.1102, 0.2393, 0.2702** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.5054, 0.4165, 0.3798**, and the grayscale version is **42.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9553, 0.2695, 0.3191**, and **22.3042, 0.2207, 0.2547** is the 20% darker color. If you saturate the color by 10%, you get **41.5701, 0.2253, 0.2550**, and if you desaturate by 10%, it is **53.3411, 0.2543, 0.2846**.

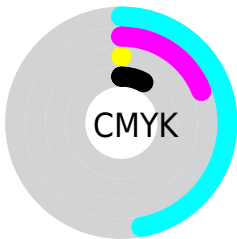
Distribution



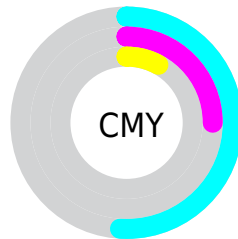
- Red (49%)
- Green (75%)
- Blue (92%)



- Red (49%)
- Yellow (65%)
- Blue (92%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1102, 0.2393, 0.2702 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 47.1102, 0.2393, 0.2702 by changing the saturation by 10% instead.

■ 47.1102, 0.2393,
0.2702

■ 47.1102, 0.2393,
0.2702

■ 375.2542, 0.2748,
0.2995

■ 33.1228, 0.2309,
0.2631

■ 85.8781, 0.2519,
0.2807

■ 22.2205, 0.2204,
0.2540

■ 111.4274, 0.2567,
0.2847

■ 14.0190, 0.2070,
0.2422

■ 141.5994, 0.2608,
0.2881

■ 8.1339, 0.1892,
0.2263

■ 176.7785, 0.2644,
0.2910

■ 4.1807, 0.1650,
0.2039

■ 217.3491, 0.2675,
0.2935

■ 1.7752, 0.1309,
0.1709

■ 263.6957, 0.2702,

■ 0.4716, 0.0536,

0.2958

0.1112

316.2026, 0.2726,
0.2977

0.0000, 0.0000,
0.0000

47.1102, 0.2393,
0.2702

47.1102, 0.2393,
0.2702

41.5701, 0.2253,
0.2550

53.3411, 0.2543,
0.2846

36.6802, 0.2128,
0.2393

60.2897, 0.2700,
0.2980

32.4029, 0.2021,
0.2234

67.9874, 0.2858,
0.3104

28.6926, 0.1935,
0.2076

76.4620, 0.3015,
0.3216

25.4913, 0.1872,
0.1923

85.7396, 0.3169,
0.3317

■ 24.6768, 0.1856,
0.1882

■ 93.8982, 0.3251,
0.3408

■ 98.7804, 0.3244,
0.3483

Harmonies

Analogous

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



47.1102, 0.2359, 0.2963



47.1102, 0.2393, 0.2702



47.1102, 0.2607, 0.2608

Triad

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



47.1102, 0.2393, 0.2702



47.1102, 0.3771, 0.3185



47.1102, 0.3241, 0.4012

Complementary

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



47.1102, 0.2393, 0.2702



47.5054, 0.4165, 0.3798

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.



47.1102, 0.3638, 0.4030



47.1102, 0.2393, 0.2702



47.1102, 0.3961, 0.3526

Square

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



47.1102, 0.2393, 0.2702



47.1102, 0.3398, 0.2883



47.1102, 0.3908, 0.3837



47.1102, 0.2831, 0.3754

Rectangle

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



47.1102, 0.2393, 0.2702



47.1102, 0.2835, 0.2637



47.1102, 0.3908, 0.3837



47.1102, 0.3381, 0.4045

Sweetspot

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



47.1120, 0.2393, 0.2702



84.9552, 0.2908, 0.3141



66.5648, 0.2831, 0.4176



17.7237, 0.2874, 0.3116



0.0000, 0.0000, 0.0000



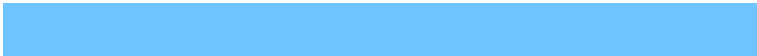
21.4041, 0.3127, 0.3290

Same Dimension

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



47.1120, 0.2393, 0.2702



50.0187, 0.2253, 0.2550



27.6357, 0.2254, 0.1948



16.0379, 0.2981, 0.3192



13.9857, 0.1863, 0.1906



1.2863, 0.1922, 0.2117

Inverse Universe

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



35.7968, 0.3639, 0.2566



36.3247, 0.3800, 0.2432



72.3989, 0.3875, 0.4346



15.2044, 0.3200, 0.3151



10.9047, 0.4561, 0.2286



0.8753, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 47.1102, 0.2393, 0.2702 looks on a white background.

Color Contrast Check

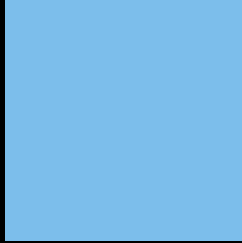
Large Text (above 18pt) WCAG AA × Fail

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 47.1102, 0.2393, 0.2702 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

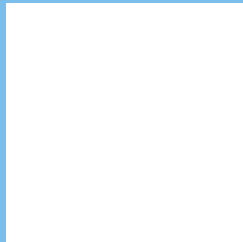
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1102, 0.2393, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 47.1102, 0.2393, 0.2702.

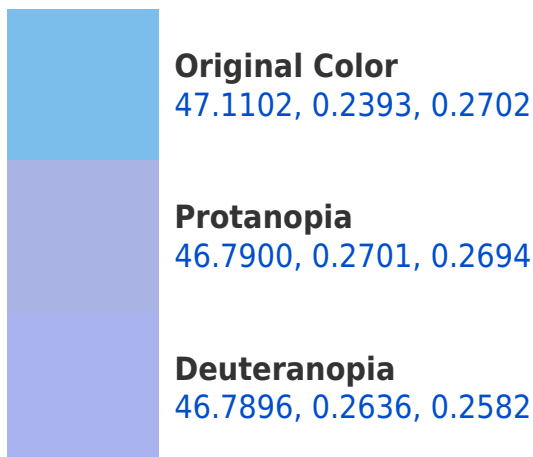


This preview shows how white text looks on a background with the Yxy color 47.1102, 0.2393, 0.2702.

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





Tritanopia

46.9497, 0.2490, 0.3067

Trichromacy



Original Color

47.1102, 0.2393, 0.2702

Protanomaly

46.8228, 0.2572, 0.2694

Deuteranomaly

46.6954, 0.2541, 0.2625

Tritanomaly

47.1763, 0.2456, 0.2936

Monochromacy



Original Color

47.1102, 0.2393, 0.2702

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7417, 0.2805, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1102, 0.2393, 0.2702 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(124, 190, 235)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 235)  
}
```

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(124, 190, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.1102, 0.2393, 0.2702 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(124, 190, 235) }
```

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

```
.border{ border-color:rgb(124, 190, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 190, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 190, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 190, 235); box-shadow:4px 4px 4px 4px rgb(124, 190, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1102, 0.2393, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 235) }
```

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

```
.background{ background-color: rgb(124,  
190, 235) }
```

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