

Converting Colors

$Yxy(47.6825, 0.2712, 0.2753)$

Have a look what the booklet for
Yxy(47.6825, 0.2712, 0.2753)
contains.

Yxy(47.7930, 0.2710, 0.2754)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7930, 0.2710, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	A9B7E2
RGB	169, 183, 226
RGB Percent	66%, 72%, 89%
CMY	0.3372, 0.2824, 0.1136
CMYK	0.25, 0.19, 0.00, 0.11
HSL	225°, 50%, 77%
HSV	225°, 25%, 89%
XYZ	47.0294, 47.7930, 78.7179
YIQ	183.7160, -22.1470, 10.4050

Conversions

Conversions Part 2

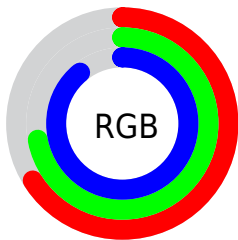
Format	Color
R _Y B	169, 180, 226
Decimal	11122658
CIE Lab	74.69, 4.55, -23.13
CIE LCh	75, 23.575, 281.121
Yxy	47.7930, 0.2710, 0.2754
Android (android.graphics.Color)	4289312738 (0xFFA9B7E2)
YUV	183.7160, 20.8460, -12.9059
Hunter-Lab	69.1325, 0.4481, -19.1180

Details

The Yxy color **47.7930, 0.2710, 0.2754** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.1545, 0.3542, 0.3774**, and the grayscale version is **47.6635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9606, 0.2943, 0.3127**, and **22.6185, 0.2594, 0.2604** is the 20% darker color. If you saturate the color by 10%, you get **38.8897, 0.2525, 0.2500**, and if you desaturate by 10%, it is **57.9856, 0.2885, 0.2985**.

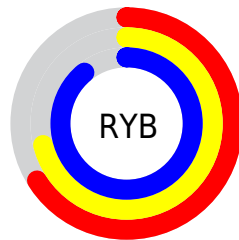
Distribution



Red (66%)

Green (72%)

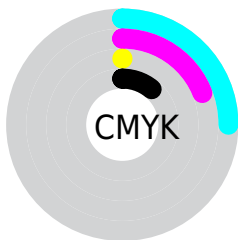
Blue (89%)



Red (66%)

Yellow (71%)

Blue (89%)

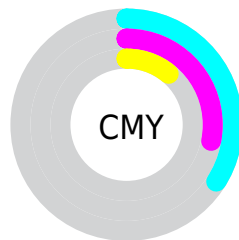


Cyan (25%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (34%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7930, 0.2710, 0.2754 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 47.7930, 0.2710, 0.2754 by changing the saturation by 10% instead.

■ 47.7930, 0.2710,
0.2754

■ 47.7930, 0.2710,
0.2754

377.9710, 0.2916,
0.3015

■ 33.6630, 0.2660,
0.2691

■ 86.8961, 0.2784,
0.2847

■ 22.6348, 0.2596,
0.2613

112.6380, 0.2812,
0.2882

■ 14.3241, 0.2513,
0.2511

143.0193, 0.2836,
0.2913

■ 8.3464, 0.2400,
0.2373

178.4245, 0.2856,
0.2939

■ 4.3174, 0.2238,
0.2180

219.2378, 0.2874,
0.2961

■ 1.8527, 0.1991,
0.1893

265.8438, 0.2890,

■ 0.5197, 0.1554,

0.2981

0.1335

318.6267, 0.2904,
0.2999

0.0000, 0.0000,
0.0000

47.7930, 0.2710,
0.2754

47.7930, 0.2710,
0.2754

38.8897, 0.2525,
0.2500

57.9856, 0.2885,
0.2985

31.2174, 0.2335,
0.2226

69.5112, 0.3048,
0.3192

24.7215, 0.2147,
0.1941

82.4186, 0.3196,
0.3374

19.3410, 0.1970,
0.1655

95.9014, 0.3302,
0.3536

15.0090, 0.1815,
0.1383

98.2726, 0.3297,
0.3571

■ 11.6506, 0.1691,
0.1139

■ 9.1790, 0.1603,
0.0939

■ 8.2629, 0.1572,
0.0859

Harmonies

Analogous

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



47.7930, 0.2545, 0.2841



47.7930, 0.2710, 0.2754



47.7930, 0.2990, 0.2800

Triad

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



47.7930, 0.2710, 0.2754



47.7930, 0.3768, 0.3470



47.7930, 0.2915, 0.3658

Complementary

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



47.7930, 0.2710, 0.2754



66.1545, 0.3542, 0.3774

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.



47.7930, 0.3237, 0.3846



47.7930, 0.2710, 0.2754



47.7930, 0.3740, 0.3713

Square

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



47.7930, 0.2710, 0.2754



47.7930, 0.3613, 0.3199



47.7930, 0.3541, 0.3859



47.7930, 0.2658, 0.3358

Rectangle

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



47.7930, 0.2710, 0.2754



47.7930, 0.3212, 0.2896



47.7930, 0.3541, 0.3859



47.7930, 0.3019, 0.3737

Sweetspot

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



47.7949, 0.2710, 0.2754



86.8990, 0.3003, 0.3136



67.5883, 0.2838, 0.3461



18.1007, 0.2979, 0.3105



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.



47.7949, 0.2710, 0.2754



56.7902, 0.2619, 0.2630



43.9780, 0.2804, 0.2595



13.7862, 0.2981, 0.3108



4.8694, 0.1579, 0.0884



0.4771, 0.1661, 0.1177

Inverse Universe

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



47.9766, 0.3530, 0.3130



57.3428, 0.3638, 0.3096



71.2380, 0.3400, 0.3941



13.7554, 0.3254, 0.3233



9.3996, 0.5937, 0.3044



0.6656, 0.5498, 0.2803

Previews

White Background



This preview shows how the Yxy color 47.7930, 0.2710, 0.2754 looks on a white background.

Color Contrast Check

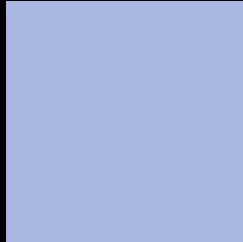
Large Text (above 18pt) WCAG AA × Fail

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 47.7930, 0.2710, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

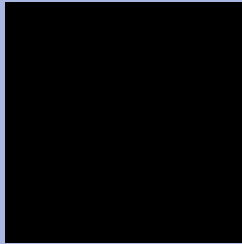
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7930, 0.2710, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 47.7930, 0.2710, 0.2754.



This preview shows how white text looks on a background with the Yxy color 47.7930, 0.2710, 0.2754.

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

47.7930, 0.2710, 0.2754

Protanopia

47.8908, 0.2752, 0.2758

Deuteranopia

47.7723, 0.2773, 0.2716



Tritanopia

47.6974, 0.2836, 0.3093

Trichromacy



Original Color

47.7930, 0.2710, 0.2754

Protanomaly

47.6628, 0.2737, 0.2756

Deuteranomaly

47.7078, 0.2745, 0.2724

Tritanomaly

47.9280, 0.2789, 0.2968

Monochromacy



Original Color

47.7930, 0.2710, 0.2754

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9882, 0.2972, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7930, 0.2710, 0.2754 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(169, 183, 226)` looks like.

```
.text, #text, p{  
    color:rgb(169, 183, 226)  
}
```

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(169, 183, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 183, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.7930, 0.2710, 0.2754 is called "border". The border property can be set on classes, ids or directly on the HTML element.

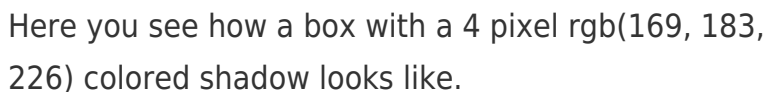
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 183, 226) }
```

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

```
.border{ border-color:rgb(169, 183, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 183, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 183, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 183, 226); box-shadow:4px 4px 4px 4px rgb(169, 183, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7930, 0.2710, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 183, 226) }
```

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

```
.background{ background-color: rgb(169,  
183, 226) }
```

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