

Converting Colors

$Y_{xy}(42.4718, 0.2482, 0.2877)$

Have a look what the booklet for
Yxy(42.4718, 0.2482, 0.2877)
contains.

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Color

Yxy(42.2743, 0.2478, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	79B6D4
RGB	121, 182, 212
RGB Percent	47%, 71%, 83%
CMY	0.5253, 0.2863, 0.1686
CMYK	0.43, 0.14, 0.00, 0.17
HSL	200°, 51%, 65%
HSV	200°, 43%, 83%
XYZ	36.5002, 42.2743, 68.5227
YIQ	167.1810, -45.9860, -3.6020

Conversions

Conversions Part 2

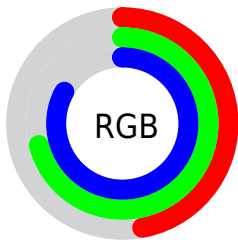
Format	Color
R _Y B	121, 158, 212
Decimal	7976660
CIE Lab	71.06, -11.83, -21.29
CIE LCh	71, 24.352, 240.948
Yxy	42.2743, 0.2478, 0.2870
Android (android.graphics.Color)	4286166740 (0xFF79B6D4)
YUV	167.1810, 22.0958, -40.5007
Hunter-Lab	65.0187, -13.5762, -16.9722

Details

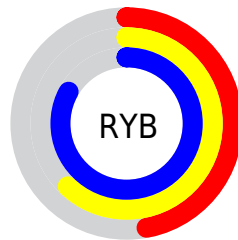
The Yxy color **42.2743, 0.2478, 0.2870** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.5251, 0.4072, 0.3666**, and the grayscale version is **38.6480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7162, 0.2664, 0.3102**, and **19.2931, 0.2304, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **38.1153, 0.2343, 0.2752**, and if you desaturate by 10%, it is **46.9162, 0.2623, 0.2981**.

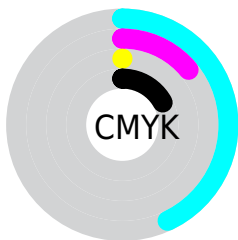
Distribution



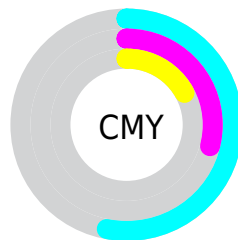
- Red (47%)
- Green (71%)
- Blue (83%)



- Red (47%)
- Yellow (62%)
- Blue (83%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2743, 0.2478, 0.2870 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 42.2743, 0.2478, 0.2870 by changing the saturation by 10% instead.

■ 42.2743, 0.2478,
0.2870

■ 42.2743, 0.2478,
0.2870

■ 355.6188, 0.2799,
0.3087

■ 29.3161, 0.2399,
0.2814

■ 78.6146, 0.2594,
0.2950

■ 19.3201, 0.2300,
0.2742

■ 102.7655, 0.2638,
0.2980

■ 11.9018, 0.2169,
0.2646

■ 131.4162, 0.2675,
0.3005

■ 6.6768, 0.1992,
0.2510

■ 164.9509, 0.2707,
0.3026

■ 3.2608, 0.1741,
0.2307

■ 203.7541, 0.2734,
0.3044

■ 1.2694, 0.1365,
0.1979

■ 248.2102, 0.2759,

■ 0.1173, 0.0000,

0.3060

0.0620

298.7037, 0.2780,
0.3074

0.0000, 0.0000,
0.0000

42.2743, 0.2478,
0.2870

42.2743, 0.2478,
0.2870

38.1153, 0.2343,
0.2752

46.9162, 0.2623,
0.2981

34.4099, 0.2222,
0.2629

52.0583, 0.2774,
0.3085

31.1327, 0.2118,
0.2503

57.7230, 0.2929,
0.3180

28.2528, 0.2034,
0.2376

63.9295, 0.3083,
0.3267

25.7333, 0.1970,
0.2251

70.6959, 0.3234,
0.3344

■ 24.1214, 0.1934,
0.2163

■ 78.0397, 0.3382,
0.3413

■ 83.1349, 0.3420,
0.3481

■ 87.1267, 0.3409,
0.3549

■ 91.2766, 0.3397,
0.3616

Harmonies

Analogous

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



42.2743, 0.2513, 0.3140



42.2743, 0.2478, 0.2870



42.2743, 0.2603, 0.2730

Triad

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



42.2743, 0.2478, 0.2870



42.2743, 0.3556, 0.3098



42.2743, 0.3362, 0.3917

Complementary

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



42.2743, 0.2478, 0.2870



37.5251, 0.4072, 0.3666

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.



42.2743, 0.3661, 0.3864



42.2743, 0.2478, 0.2870



42.2743, 0.3782, 0.3382

Square

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



42.2743, 0.2478, 0.2870



42.2743, 0.3215, 0.2867



42.2743, 0.3819, 0.3661



42.2743, 0.3011, 0.3775

Rectangle

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



42.2743, 0.2478, 0.2870



42.2743, 0.2766, 0.2717



42.2743, 0.3819, 0.3661



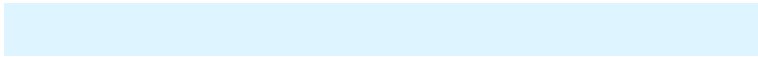
42.2743, 0.3473, 0.3920

Sweetspot

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



42.2759, 0.2478, 0.2870



87.4668, 0.2925, 0.3178



53.3517, 0.2898, 0.4187



18.2966, 0.2890, 0.3158



0.0000, 0.0000, 0.0000



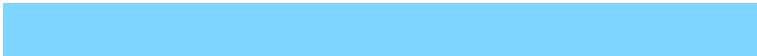
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2759, 0.2478, 0.2870



58.7152, 0.2361, 0.2768



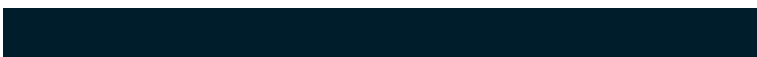
26.9164, 0.2368, 0.2212



13.3854, 0.2982, 0.3211



15.0815, 0.1939, 0.2181



1.0582, 0.1999, 0.2395

Inverse Universe

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



31.0584, 0.3493, 0.2556



40.6733, 0.3596, 0.2419



54.5540, 0.3839, 0.4173



12.5598, 0.3188, 0.3135



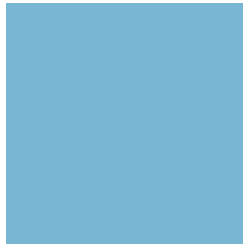
9.8673, 0.4253, 0.2116



0.6102, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 42.2743, 0.2478, 0.2870 looks on a white background.

Color Contrast Check

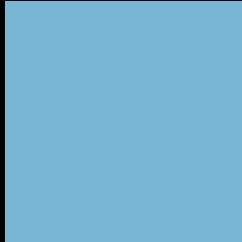
Large Text (above 18pt) WCAG AA × Fail

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 42.2743, 0.2478, 0.2870 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 42.2743, 0.2478, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 42.2743, 0.2478, 0.2870.

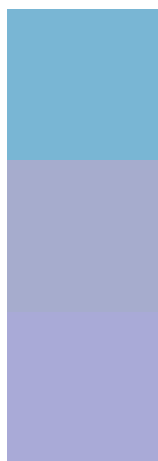


This preview shows how white text looks on a background with the Yxy color 42.2743, 0.2478, 0.2870.

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

42.2743, 0.2478, 0.2870

Protanopia

42.0198, 0.2819, 0.2855

Deuteranopia

42.0908, 0.2770, 0.2711



Tritanopia

42.1864, 0.2533, 0.3072

Trichromacy



Original Color

42.2743, 0.2478, 0.2870

Protanomaly

42.0888, 0.2681, 0.2857

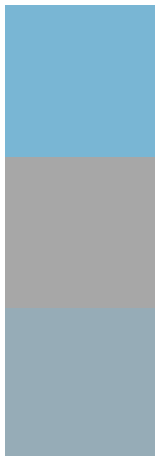
Deuteranomaly

41.8025, 0.2653, 0.2758

Tritanomaly

42.0782, 0.2508, 0.2989

Monochromacy



Original Color

42.2743, 0.2478, 0.2870

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4080, 0.2852, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2743, 0.2478, 0.2870 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(121, 182, 212)` looks like.

```
.text, #text, p{  
    color:rgb(121, 182, 212)  
}
```

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(121, 182, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 182, 212) }
```

Border

The CSS property to change the border of an element to Yxy 42.2743, 0.2478, 0.2870 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(121, 182, 212) }
```

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

```
.border{ border-color:rgb(121, 182, 212) }
```

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

Here you see how a box with a 4 pixel rgb(121, 182, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 182, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 182, 212);  
box-shadow:4px 4px 4px 4px rgb(121, 182,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2743, 0.2478, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 182, 212) }
```

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

```
.background{ background-color: rgb(121,  
182, 212) }
```

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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