

Converting Colors

$Yxy(50.3284, 0.2449, 0.2872)$

Have a look what the booklet for
Yxy(50.3284, 0.2449, 0.2872)
contains.

Yxy(50.5370, 0.2448, 0.2872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5370, 0.2448, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	7EC6E6
RGB	126, 198, 230
RGB Percent	49%, 78%, 90%
CMY	0.5061, 0.2235, 0.0980
CMYK	0.45, 0.14, 0.00, 0.10
HSL	198°, 68%, 70%
HSV	198°, 45%, 90%
XYZ	43.0761, 50.5370, 82.3514
YIQ	180.1200, -53.1840, -5.3120

Conversions

Conversions Part 2

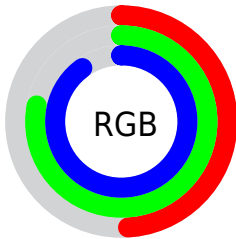
Format	Color
R _Y B	126, 169, 230
Decimal	8308454
CIE Lab	76.40, -14.20, -22.92
CIE LCh	76, 26.960, 238.210
Yxy	50.5370, 0.2448, 0.2872
Android (android.graphics.Color)	4286498534 (0xFF7EC6E6)
YUV	180.1200, 24.5908, -47.4632
Hunter-Lab	71.0894, -16.2456, -18.9202

Details

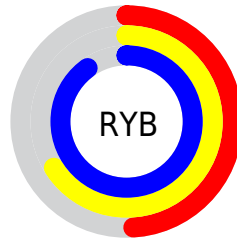
The Yxy color **50.5370, 0.2448, 0.2872** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.7651, 0.4162, 0.3662**, and the grayscale version is **45.5921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **24.2677, 0.2280, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **45.8293, 0.2319, 0.2761**, and if you desaturate by 10%, it is **55.8014, 0.2589, 0.2978**.

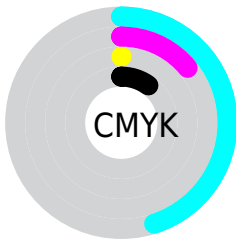
Distribution



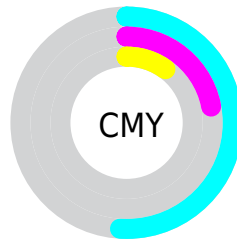
- Red (49%)
- Green (78%)
- Blue (90%)



- Red (49%)
- Yellow (66%)
- Blue (90%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)





- Cyan (51%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5370, 0.2448, 0.2872 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 50.5370, 0.2448, 0.2872 by changing the saturation by 10% instead.


 50.5370, 0.2448,
0.2872

 50.5370, 0.2448,
0.2872


388.7622, 0.2774,
0.3082

 35.8403, 0.2371,
0.2820


 90.9700, 0.2563,
0.2948

 24.3109, 0.2276,
0.2753


 117.4751, 0.2607,
0.2977

 15.5644, 0.2153,
0.2666


 148.6851, 0.2645,
0.3001

 9.2164, 0.1992,
0.2546

184.9843, 0.2678,
0.3022

 4.8826, 0.1770,
0.2374

226.7573, 0.2706,
0.3040

 2.1786, 0.1453,
0.2108

274.3883, 0.2731,

 0.7083, 0.0776,

0.3056

0.1684

328.2618, 0.2754,
0.3070

0.0000, 0.0000,
0.0000

50.5370, 0.2448,
0.2872

50.5370, 0.2448,
0.2872

45.8293, 0.2319,
0.2761

55.8014, 0.2589,
0.2978

41.6425, 0.2204,
0.2645

61.6441, 0.2738,
0.3076

37.9450, 0.2108,
0.2528

68.0920, 0.2892,
0.3167

34.6980, 0.2032,
0.2410

75.1686, 0.3046,
0.3250

31.8544, 0.1977,
0.2294

82.8960, 0.3200,
0.3325

■ 30.6072, 0.1955,
0.2239

■ 89.5566, 0.3289,
0.3393

■ 93.8126, 0.3282,
0.3461

■ 98.2327, 0.3274,
0.3528

■ 98.4936, 0.3274,
0.3532

Harmonies

Analogous

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



50.5370, 0.2499, 0.3163



50.5370, 0.2448, 0.2872



50.5370, 0.2563, 0.2714

Triad

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



50.5370, 0.2448, 0.2872



50.5370, 0.3545, 0.3065



50.5370, 0.3404, 0.3948

Complementary

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



50.5370, 0.2448, 0.2872



42.7651, 0.4162, 0.3662

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.



50.5370, 0.3706, 0.3874



50.5370, 0.2448, 0.2872



50.5370, 0.3797, 0.3357

Square

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



50.5370, 0.2448, 0.2872



50.5370, 0.3184, 0.2832



50.5370, 0.3855, 0.3651



50.5370, 0.3039, 0.3819

Rectangle

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



50.5370, 0.2448, 0.2872



50.5370, 0.2724, 0.2692



50.5370, 0.3855, 0.3651



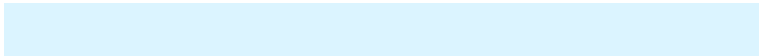
50.5370, 0.3516, 0.3945

Sweetspot

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



50.5389, 0.2448, 0.2872



87.0417, 0.2910, 0.3177



63.4696, 0.2897, 0.4276



18.2336, 0.2876, 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.



50.5389, 0.2448, 0.2872



58.4399, 0.2330, 0.2771



30.9394, 0.2322, 0.2159



15.5492, 0.2981, 0.3216



17.5531, 0.1960, 0.2257



1.4599, 0.2007, 0.2426

Inverse Universe

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



35.8113, 0.3497, 0.2491



38.8394, 0.3601, 0.2346



64.0264, 0.3892, 0.4206



14.5358, 0.3185, 0.3129



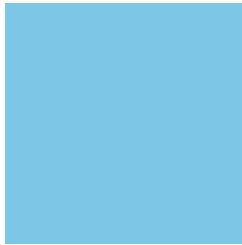
10.9697, 0.4171, 0.2072



0.8271, 0.3997, 0.1975

Previews

White Background



This preview shows how the Yxy color 50.5370, 0.2448, 0.2872 looks on a white background.

Color Contrast Check

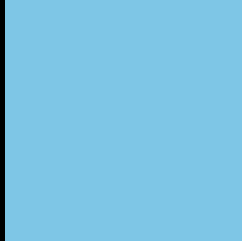
Large Text (above 18pt) WCAG AA × Fail

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 50.5370, 0.2448, 0.2872 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 50.5370, 0.2448, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 50.5370, 0.2448, 0.2872.

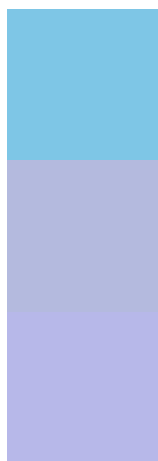


This preview shows how white text looks on a background with the Yxy color 50.5370, 0.2448, 0.2872.

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

50.5370, 0.2448, 0.2872

Protanopia

50.0950, 0.2819, 0.2849

Deuteranopia

50.2315, 0.2767, 0.2705



Tritanopia

50.4040, 0.2504, 0.3073

Trichromacy



Original Color

50.5370, 0.2448, 0.2872

Protanomaly

49.7367, 0.2663, 0.2848

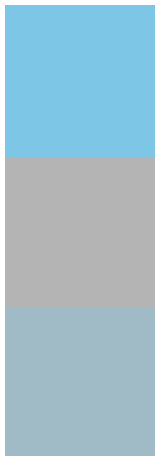
Deuteranomaly

49.9028, 0.2633, 0.2757

Tritanomaly

50.2783, 0.2481, 0.2996

Monochromacy



Original Color

50.5370, 0.2448, 0.2872

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.0914, 0.2834, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5370, 0.2448, 0.2872 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(126, 198, 230)` looks like.

```
.text, #text, p{  
    color:rgb(126, 198, 230)  
}
```

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(126, 198, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 198, 230) }
```

Border

The CSS property to change the border of an element to Yxy 50.5370, 0.2448, 0.2872 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(126, 198, 230) }
```

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

```
.border{ border-color:rgb(126, 198, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 198, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 198, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 198, 230);  
box-shadow:4px 4px 4px 4px rgb(126, 198,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5370, 0.2448, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 198, 230) }
```

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

```
.background{ background-color: rgb(126,  
198, 230) }
```

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