

Converting Colors

$Yxy(50.8676, 0.2484, 0.2997)$

Have a look what the booklet for
Yxy(50.8676, 0.2484, 0.2997)
contains.

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Color

Yxy(50.8676, 0.2484, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	7CC8DE
RGB	124, 200, 222
RGB Percent	49%, 78%, 87%
CMY	0.5134, 0.2157, 0.1294
CMYK	0.44, 0.10, 0.00, 0.13
HSL	193°, 60%, 68%
HSV	193°, 44%, 87%
XYZ	42.1605, 50.8676, 76.7003
YIQ	179.7840, -52.3580, -9.2700

Conversions

Conversions Part 2

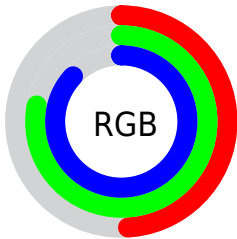
Format	Color
RYB	124, 167, 222
Decimal	8177886
CIELab	76.60, -17.81, -18.30
CIELCh	77, 25.537, 225.780
Yxy	50.8676, 0.2484, 0.2997
Android (android.graphics.Color)	4286367966 (0xFF7CC8DE)
YUV	179.7840, 20.8125, -48.9226
Hunter-Lab	71.3215, -19.2954, -13.8363

Details

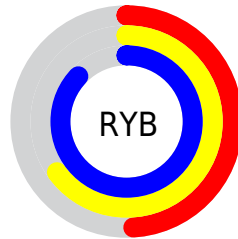
The Yxy color **50.8676, 0.2484, 0.2997** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5760, 0.4170, 0.3556**, and the grayscale version is **45.4392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **24.5411, 0.2319, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **47.1222, 0.2364, 0.2918**, and if you desaturate by 10%, it is **55.0647, 0.2618, 0.3072**.

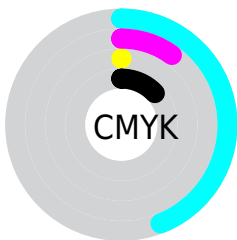
Distribution



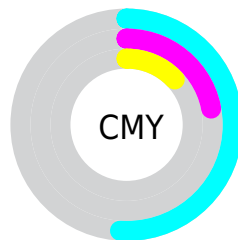
- Red (49%)
- Green (78%)
- Blue (87%)



- Red (49%)
- Yellow (65%)
- Blue (87%)



- Cyan (44%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (51%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8676, 0.2484, 0.2997 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 50.8676, 0.2484, 0.2997 by changing the saturation by 10% instead.

■ 50.8676, 0.2484,
0.2997

■ 50.8676, 0.2484,
0.2997

■ 390.0492, 0.2793,
0.3147

■ 36.1032, 0.2411,
0.2959

■ 91.4590, 0.2593,
0.3052

■ 24.5139, 0.2320,
0.2910

■ 118.0549, 0.2635,
0.3073

■ 15.7153, 0.2202,
0.2844

■ 149.3634, 0.2671,
0.3090

■ 9.3229, 0.2046,
0.2752

■ 185.7689, 0.2702,
0.3105

■ 4.9524, 0.1831,
0.2616

■ 227.6559, 0.2729,
0.3118

■ 2.2194, 0.1518,
0.2398

■ 275.4086, 0.2753,

■ 0.7305, 0.0732,

0.3129

0.2060

329.4116, 0.2774,
0.3139

0.0000, 0.0000,
0.0000

50.8676, 0.2484,
0.2997

50.8676, 0.2484,
0.2997

47.1222, 0.2364,
0.2918

55.0647, 0.2618,
0.3072

43.7968, 0.2259,
0.2837

59.7313, 0.2761,
0.3142

40.8640, 0.2173,
0.2753


64.8911, 0.2911,
0.3208


38.2903, 0.2107,
0.2670

70.5644, 0.3064,
0.3267


36.0348, 0.2060,
0.2587

76.7701, 0.3218,
0.3321

 34.8146, 0.2039,
0.2539

 83.0889, 0.3354,
0.3370

 85.9052, 0.3347,
0.3419

 88.8017, 0.3341,
0.3468

 91.7790, 0.3334,
0.3516

Harmonies

Analogous

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



50.8676, 0.2599, 0.3308



50.8676, 0.2484, 0.2997



50.8676, 0.2529, 0.2790

Triad

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



50.8676, 0.2484, 0.2997



50.8676, 0.3388, 0.2975



50.8676, 0.3521, 0.3904

Complementary

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



50.8676, 0.2484, 0.2997



37.5760, 0.4170, 0.3556

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.



50.8676, 0.3754, 0.3770



50.8676, 0.2484, 0.2997



50.8676, 0.3680, 0.3236

Square

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



50.8676, 0.2484, 0.2997



50.8676, 0.3035, 0.2791



50.8676, 0.3816, 0.3522



50.8676, 0.3189, 0.3862

Rectangle

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



50.8676, 0.2484, 0.2997



50.8676, 0.2644, 0.2729



50.8676, 0.3816, 0.3522



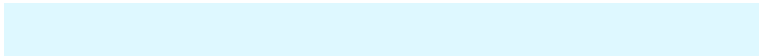
50.8676, 0.3614, 0.3877

Sweetspot

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



50.8696, 0.2484, 0.2997



89.5833, 0.2926, 0.3214



58.5867, 0.2947, 0.4362



18.8220, 0.2892, 0.3200



0.0000, 0.0000, 0.0000



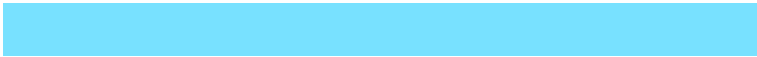
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8696, 0.2484, 0.2997



64.8474, 0.2371, 0.2924



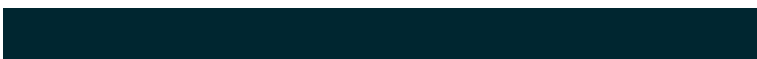
31.9685, 0.2366, 0.2313



15.0223, 0.2982, 0.3236



20.8533, 0.2042, 0.2551



1.5753, 0.2077, 0.2678

Inverse Universe

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



34.1379, 0.3397, 0.2428



40.0724, 0.3473, 0.2264



55.6851, 0.3910, 0.4099



13.8801, 0.3172, 0.3110



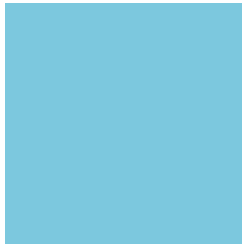
11.0132, 0.3872, 0.1906



0.7765, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 50.8676, 0.2484, 0.2997 looks on a white background.

Color Contrast Check

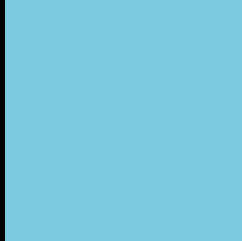
Large Text (above 18pt) WCAG AA × Fail

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 50.8676, 0.2484, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

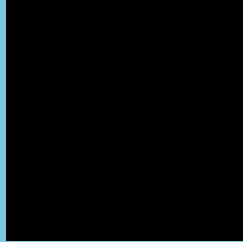
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8676, 0.2484, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 50.8676, 0.2484, 0.2997.



This preview shows how white text looks on a background with the Yxy color 50.8676, 0.2484, 0.2997.

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

50.8676, 0.2484, 0.2997

Protanopia

50.5351, 0.2912, 0.2970

Deuteranopia

50.4086, 0.2857, 0.2798



Tritanopia

50.9940, 0.2507, 0.3074

Trichromacy



Original Color

50.8676, 0.2484, 0.2997

Protanomaly

50.3385, 0.2735, 0.2983

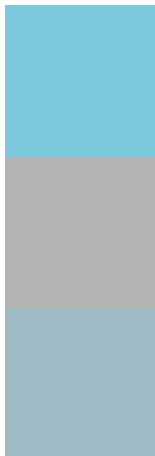
Deuteranomaly

50.2081, 0.2703, 0.2864

Tritanomaly

51.0987, 0.2496, 0.3049

Monochromacy



Original Color

50.8676, 0.2484, 0.2997

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.9544, 0.2855, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8676, 0.2484, 0.2997 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, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(124, 200, 222)  
}
```

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, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 200, 222) }
```

Border

The CSS property to change the border of an element to Yxy 50.8676, 0.2484, 0.2997 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, 200, 222) }
```

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

```
.border{ border-color:rgb(124, 200, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 200, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 200, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 200, 222);  
box-shadow:4px 4px 4px 4px rgb(124, 200,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8676, 0.2484, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 200, 222) }
```

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

```
.background{ background-color: rgb(124,  
200, 222) }
```

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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