

Converting Colors

$Y_{xy}(40.6068, 0.2487, 0.2875)$

Have a look what the booklet for
Yxy(40.6068, 0.2487, 0.2875)
contains.

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Color

Yxy(40.7873, 0.2487, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	78B3D0
RGB	120, 179, 208
RGB Percent	47%, 70%, 82%
CMY	0.5296, 0.2980, 0.1843
CMYK	0.42, 0.14, 0.00, 0.18
HSL	200°, 48%, 64%
HSV	200°, 42%, 82%
XYZ	35.2460, 40.7873, 65.6877
YIQ	164.6650, -44.4730, -3.4890

Conversions

Conversions Part 2

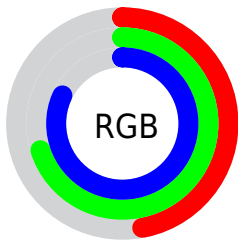
Format	Color
RYB	120, 155, 208
Decimal	7910352
CIELab	70.03, -11.58, -20.67
CIELCh	70, 23.697, 240.734
Yxy	40.7873, 0.2487, 0.2878
Android (android.graphics.Color)	4286100432 (0xFF78B3D0)
YUV	164.6650, 21.3642, -39.1712
Hunter-Lab	63.8649, -13.2524, -16.2767

Details

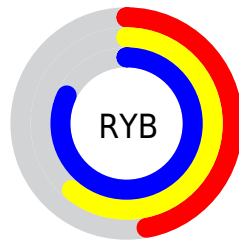
The Yxy color **40.7873, 0.2487, 0.2878** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **36.2422, 0.4054, 0.3660**, and the grayscale version is **37.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8668, 0.2655, 0.3068**, and **18.3786, 0.2304, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **36.7828, 0.2352, 0.2761**, and if you desaturate by 10%, it is **45.2543, 0.2632, 0.2989**.

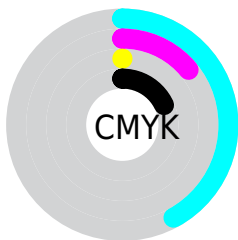
Distribution



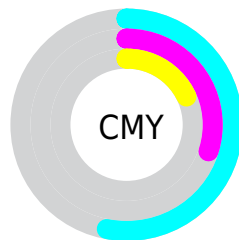
- Red (47%)
- Green (70%)
- Blue (82%)



- Red (47%)
- Yellow (61%)
- Blue (82%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (53%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7873, 0.2487, 0.2878 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 40.7873, 0.2487, 0.2878 by changing the saturation by 10% instead.

■ 40.7873, 0.2487,
0.2878

■ 40.7873, 0.2487,
0.2878

■ 349.4309, 0.2806,
0.3092

■ 28.1529, 0.2408,
0.2823

■ 76.3609, 0.2602,
0.2957

■ 18.4410, 0.2308,
0.2751

■ 100.0689, 0.2646,
0.2986

■ 11.2670, 0.2176,
0.2654

■ 128.2369, 0.2683,
0.3011

■ 6.2467, 0.1997,
0.2516

■ 161.2493, 0.2714,
0.3032

■ 2.9957, 0.1739,
0.2309

■ 199.4906, 0.2742,
0.3050

■ 1.1295, 0.1347,
0.1970

■ 243.3449, 0.2766,

■ 0.0029, 0.0000,

0.3066

0.0019

293.1969, 0.2787,
0.3080

0.0000, 0.0000,
0.0000

40.7873, 0.2487,
0.2878

40.7873, 0.2487,
0.2878

36.7828, 0.2352,
0.2761

45.2543, 0.2632,
0.2989

33.2129, 0.2230,
0.2638

50.2001, 0.2784,
0.3091

30.0536, 0.2125,
0.2513

55.6460, 0.2938,
0.3186

27.2757, 0.2039,
0.2387

61.6103, 0.3092,
0.3271

24.8444, 0.1974,
0.2261

68.1102, 0.3243,
0.3348

■ 23.1689, 0.1935,
0.2167

■ 75.1623, 0.3390,
0.3417

■ 80.7244, 0.3454,
0.3482

■ 84.5444, 0.3442,
0.3549

■ 88.5150, 0.3430,
0.3615

Harmonies

Analogous

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



40.7873, 0.2523, 0.3144



40.7873, 0.2487, 0.2878



40.7873, 0.2610, 0.2739

Triad

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



40.7873, 0.2487, 0.2878



40.7873, 0.3547, 0.3099



40.7873, 0.3362, 0.3907

Complementary

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



40.7873, 0.2487, 0.2878



36.2422, 0.4054, 0.3660

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.



40.7873, 0.3655, 0.3855



40.7873, 0.2487, 0.2878



40.7873, 0.3771, 0.3379

Square

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



40.7873, 0.2487, 0.2878



40.7873, 0.3211, 0.2871



40.7873, 0.3809, 0.3654



40.7873, 0.3016, 0.3769

Rectangle

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



40.7873, 0.2487, 0.2878



40.7873, 0.2770, 0.2725



40.7873, 0.3809, 0.3654



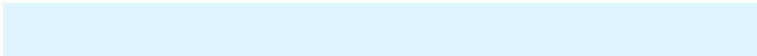
40.7873, 0.3470, 0.3910

Sweetspot

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



40.7889, 0.2487, 0.2878



87.4788, 0.2925, 0.3178



51.2339, 0.2901, 0.4171



18.2995, 0.2890, 0.3158



0.0000, 0.0000, 0.0000



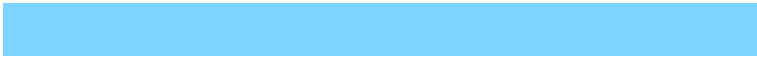
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7889, 0.2487, 0.2878



58.7540, 0.2361, 0.2769



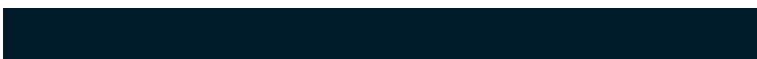
26.1803, 0.2381, 0.2230



12.7237, 0.2983, 0.3212



14.6236, 0.1940, 0.2184



0.9595, 0.2003, 0.2411

Inverse Universe

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



30.0877, 0.3485, 0.2566



40.6772, 0.3595, 0.2418



52.4014, 0.3828, 0.4161



11.9401, 0.3187, 0.3135



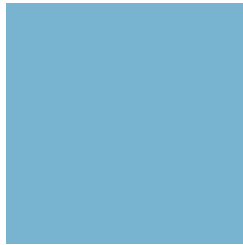
9.5475, 0.4249, 0.2114



0.5482, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 40.7873, 0.2487, 0.2878 looks on a white background.

Color Contrast Check

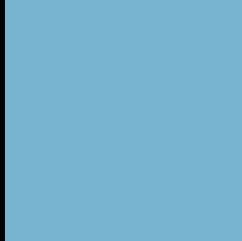
Large Text (above 18pt) WCAG AA × Fail

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 40.7873, 0.2487, 0.2878 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 40.7873, 0.2487, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 40.7873, 0.2487, 0.2878.



This preview shows how white text looks on a background with the Yxy color 40.7873, 0.2487, 0.2878.

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

40.7873, 0.2487, 0.2878

Protanopia

40.4855, 0.2830, 0.2861

Deuteranopia

40.5561, 0.2780, 0.2716



Tritanopia

40.8152, 0.2544, 0.3070

Trichromacy



Original Color

40.7873, 0.2487, 0.2878

Protanomaly

40.5427, 0.2689, 0.2864

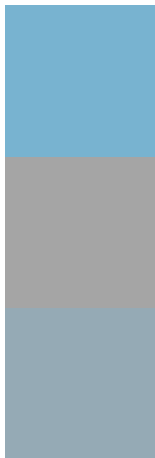
Deuteranomaly

40.2630, 0.2661, 0.2763

Tritanomaly

40.6642, 0.2524, 0.2999

Monochromacy



Original Color

40.7873, 0.2487, 0.2878

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4752, 0.2857, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7873, 0.2487, 0.2878 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(120, 179, 208)` looks like.

```
.text, #text, p{  
    color:rgb(120, 179, 208)  
}
```

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(120, 179, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 179, 208) }
```

Border

The CSS property to change the border of an element to Yxy 40.7873, 0.2487, 0.2878 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(120, 179, 208) }
```

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

```
.border{ border-color:rgb(120, 179, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 179, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 179, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 179, 208);  
box-shadow:4px 4px 4px 4px rgb(120, 179,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7873, 0.2487, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 179, 208) }
```

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

```
.background{ background-color: rgb(120,  
179, 208) }
```

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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