

Converting Colors

$Yxy(40.9424, 0.2703, 0.3375)$

Have a look what the booklet for
Yxy(40.9424, 0.2703, 0.3375)
contains.

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Color

Yxy(40.7678, 0.2697, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	7AB6B1
RGB	122, 182, 177
RGB Percent	48%, 71%, 69%
CMY	0.5217, 0.2862, 0.3059
CMYK	0.33, 0.00, 0.03, 0.29
HSL	175°, 29%, 60%
HSV	175°, 33%, 71%
XYZ	32.6845, 40.7678, 47.7361
YIQ	163.4900, -34.1550, -14.2750

Conversions

Conversions Part 2

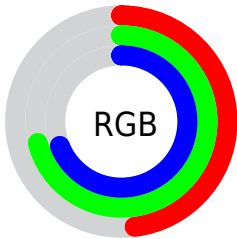
Format	Color
RYB	122, 153, 182
Decimal	8042161
CIELab	70.01, -20.45, -3.64
CIElCh	70, 20.768, 190.087
Yxy	40.7678, 0.2697, 0.3364
Android (android.graphics.Color)	4286232241 (0xFF7AB6B1)
YUV	163.4900, 6.6604, -36.3867
Hunter-Lab	63.8497, -20.3631, 0.3676

Details

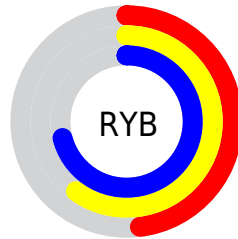
The Yxy color **40.7678, 0.2697, 0.3364** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.3875, 0.3814, 0.3220**, and the grayscale version is **36.8462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2624, 0.2772, 0.3346**, and **18.4833, 0.2569, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **39.5031, 0.2591, 0.3390**, and if you desaturate by 10%, it is **42.2853, 0.2816, 0.3340**.

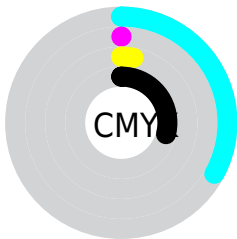
Distribution



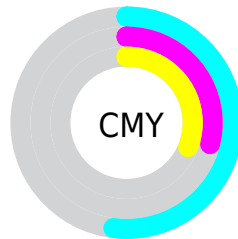
- Red (48%)
- Green (71%)
- Blue (69%)



- Red (48%)
- Yellow (60%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7678, 0.2697, 0.3364 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 40.7678, 0.2697, 0.3364 by changing the saturation by 10% instead.


 40.7678, 0.2697,
0.3364

 40.7678, 0.2697,
0.3364


349.3492, 0.2915,
0.3329


 28.1377, 0.2642,
0.3372


 76.3313, 0.2777,
0.3352

 18.4295, 0.2570,
0.3382


 100.0334, 0.2807,
0.3347

 11.2588, 0.2475,
0.3395


 128.1951, 0.2832,
0.3343

 6.2412, 0.2339,
0.3411


161.2006, 0.2853,
0.3339

 2.9923, 0.2135,
0.3432

199.4344, 0.2872,
0.3336

 1.1277, 0.1715,
0.3487

243.2808, 0.2888,

 0.0014, 0.0000,

0.3333

0.0056

293.1243, 0.2902,
0.3331

0.0000, 0.0000,
0.0000

40.7678, 0.2697,
0.3364

40.7678, 0.2697,
0.3364

39.5031, 0.2591,
0.3390

42.2853, 0.2816,
0.3340

38.4723, 0.2501,
0.3417

44.0634, 0.2947,
0.3317

37.6617, 0.2429,
0.3445


46.1158, 0.3085,
0.3296

37.0543, 0.2376,
0.3473


48.4537, 0.3228,
0.3277

36.6304, 0.2341,
0.3501


51.0877, 0.3374,
0.3260


 36.3665, 0.2324,
0.3529

 54.0279, 0.3520,
0.3245

 36.2433, 0.2319,
0.3548

 57.2837, 0.3665,
0.3232

 58.4021, 0.3700,
0.3217

 58.4686, 0.3687,
0.3201

Harmonies

Analogous

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



40.7678, 0.2940, 0.3638



40.7678, 0.2697, 0.3364



40.7678, 0.2569, 0.3082

Triad

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



40.7678, 0.2697, 0.3364



40.7678, 0.2991, 0.2829



40.7678, 0.3700, 0.3678

Complementary

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



40.7678, 0.2697, 0.3364



25.3875, 0.3814, 0.3220

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.



40.7678, 0.3720, 0.3451



40.7678, 0.2697, 0.3364



40.7678, 0.3299, 0.2975

Square

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



40.7678, 0.2697, 0.3364



40.7678, 0.2732, 0.2791



40.7678, 0.3570, 0.3198



40.7678, 0.3521, 0.3816

Rectangle

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



40.7678, 0.2697, 0.3364



40.7678, 0.2561, 0.2934



40.7678, 0.3570, 0.3198



40.7678, 0.3726, 0.3609

Sweetspot

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



40.7694, 0.2697, 0.3364



80.8744, 0.2985, 0.3311



39.4514, 0.3131, 0.4239



17.7520, 0.2966, 0.3314



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.7694, 0.2697, 0.3364



72.1012, 0.2614, 0.3384



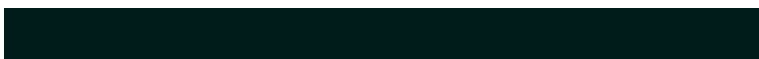
31.9632, 0.2618, 0.2917



10.1973, 0.2996, 0.3309



25.5956, 0.2318, 0.3545



0.9061, 0.2298, 0.3473

Inverse Universe

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



25.3875, 0.3814, 0.3220



39.6719, 0.4055, 0.3203



31.9025, 0.3768, 0.3634



9.0241, 0.3275, 0.3271



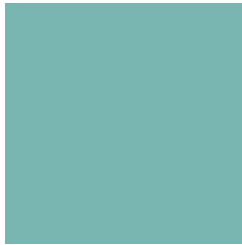
7.0522, 0.6292, 0.3240



0.2527, 0.5899, 0.3023

Previews

White Background



This preview shows how the Yxy color 40.7678, 0.2697, 0.3364 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 40.7678, 0.2697, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

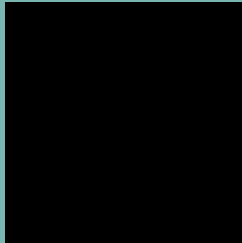
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7678, 0.2697, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 40.7678, 0.2697, 0.3364.



This preview shows how white text looks on a background with the Yxy color 40.7678, 0.2697, 0.3364.

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

40.7678, 0.2697, 0.3364

Protanopia

40.5360, 0.3154, 0.3290

Deuteranopia

40.1506, 0.3155, 0.3091



Tritanopia

40.5709, 0.2609, 0.3072

Trichromacy



Original Color

40.7678, 0.2697, 0.3364

Protanomaly

40.1593, 0.2962, 0.3304

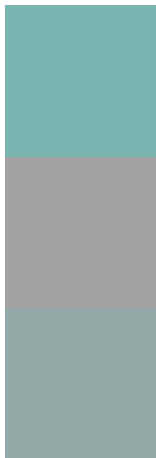
Deuteranomaly

39.8541, 0.2966, 0.3177

Tritanomaly

40.6333, 0.2642, 0.3171

Monochromacy



Original Color

40.7678, 0.2697, 0.3364

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.8725, 0.2949, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7678, 0.2697, 0.3364 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(122, 182, 177)` looks like.

```
.text, #text, p{  
    color:rgb(122, 182, 177)  
}
```

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(122, 182, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 182, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.7678, 0.2697, 0.3364 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(122, 182, 177) }
```

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

```
.border{ border-color:rgb(122, 182, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 182, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 182, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 182, 177);  
box-shadow:4px 4px 4px 4px rgb(122, 182,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7678, 0.2697, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 182, 177) }
```

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

```
.background{ background-color: rgb(122,  
182, 177) }
```

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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