

Converting Colors

$Yxy(40.6364, 0.2321, 0.3105)$

Have a look what the booklet for
Yxy(40.6364, 0.2321, 0.3105)
contains.

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Color

Yxy(40.4971, 0.2322, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	46BAC6
RGB	70, 186, 198
RGB Percent	27%, 73%, 78%
CMY	0.7249, 0.2706, 0.2235
CMYK	0.65, 0.06, 0.00, 0.22
HSL	186°, 53%, 53%
HSV	186°, 65%, 78%
XYZ	30.2848, 40.4971, 59.6436
YIQ	152.6840, -72.9880, -20.8600

Conversions

Conversions Part 2

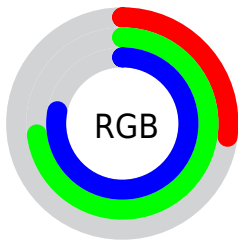
Format	Color
RYB	70, 131, 198
Decimal	4635334
CIELab	69.82, -28.42, -15.67
CIElCh	70, 32.453, 208.880
Yxy	40.4971, 0.2322, 0.3105
Android (android.graphics.Color)	4282825414 (0xFF46BAC6)
YUV	152.6840, 22.3408, -72.5139
Hunter-Lab	63.6373, -26.4178, -11.0229

Details

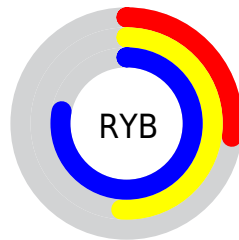
The Yxy color **40.4971, 0.2322, 0.3105** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **18.5070, 0.5090, 0.3435**, and the grayscale version is **31.6530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7108, 0.2465, 0.3138**, and **18.5161, 0.2176, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **39.0998, 0.2255, 0.3073**, and if you desaturate by 10%, it is **42.1505, 0.2408, 0.3137**.

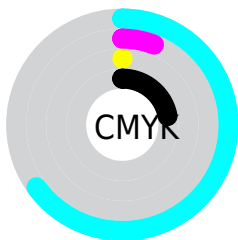
Distribution



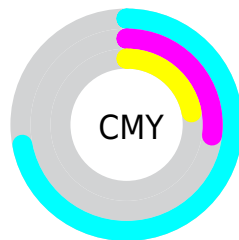
- Red (27%)
- Green (73%)
- Blue (78%)



- Red (27%)
- Yellow (51%)
- Blue (78%)



- Cyan (65%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)




- Cyan (72%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4971, 0.2322, 0.3105 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 40.4971, 0.2322, 0.3105 by changing the saturation by 10% instead.


 40.4971, 0.2322,
0.3105


 40.4971, 0.2322,
0.3105


348.2143, 0.2722,
0.3211


 27.9263, 0.2224,
0.3074


 75.9199, 0.2466,
0.3147


 18.2701, 0.2100,
0.3032


 99.5407, 0.2520,
0.3161

 11.1441, 0.1938,
0.2973


 127.6137, 0.2567,
0.3174

 6.1638, 0.1719,
0.2882

 160.5231, 0.2606,
0.3184

 2.9450, 0.1410,
0.2731

198.6536, 0.2641,
0.3192

 1.1031, 0.0770,
0.2500

242.3893, 0.2671,

 0.0000, 0.0000,

0.3199

0.0000

292.1148, 0.2698,
0.3206

■ 40.4971, 0.2322,
0.3105

■ 40.4971, 0.2322,
0.3105

■ 39.0998, 0.2255,
0.3073

■ 42.1505, 0.2408,
0.3137

■ 37.9290, 0.2207,
0.3040

■ 44.0770, 0.2512,
0.3169

■ 36.9561, 0.2176,
0.3009

■ 46.2972, 0.2631,
0.3199

■ 36.4794, 0.2164,
0.2991

■ 48.8286, 0.2764,
0.3228

■ 51.6872, 0.2907,
0.3254

■ 54.8878, 0.3057,
0.3279

■ 58.4445, 0.3211,
0.3302

■ 62.3705, 0.3368,
0.3323

■ 66.6781, 0.3523,
0.3341

Harmonies

Analogous

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



40.4971, 0.2581, 0.3576



40.4971, 0.2322, 0.3105



40.4971, 0.2265, 0.2739

Triad

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



40.4971, 0.2322, 0.3105



40.4971, 0.3206, 0.2715



40.4971, 0.3862, 0.4043

Complementary

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



40.4971, 0.2322, 0.3105



18.5070, 0.5090, 0.3435

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.



40.4971, 0.4068, 0.3746



40.4971, 0.2322, 0.3105



40.4971, 0.3677, 0.3007

Square

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



40.4971, 0.2322, 0.3105



40.4971, 0.2746, 0.2550



40.4971, 0.4003, 0.3373



40.4971, 0.3465, 0.4151

Rectangle

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



40.4971, 0.2322, 0.3105



40.4971, 0.2341, 0.2593



40.4971, 0.4003, 0.3373



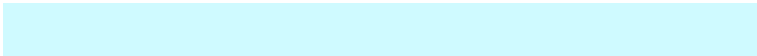
40.4971, 0.3957, 0.3959

Sweetspot

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



40.4986, 0.2322, 0.3105



89.0722, 0.2838, 0.3242



42.2851, 0.2984, 0.5212



18.7549, 0.2797, 0.3234



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.



40.4986, 0.2322, 0.3105



68.4544, 0.2235, 0.3061



19.6544, 0.2076, 0.2054



11.8907, 0.2984, 0.3268



23.7922, 0.2166, 0.2996



1.1774, 0.2184, 0.3062

Inverse Universe

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



19.9488, 0.3342, 0.1941



30.4409, 0.3391, 0.1780



32.6164, 0.4455, 0.4214



10.7988, 0.3152, 0.3083



9.9418, 0.3458, 0.1679



0.4759, 0.3400, 0.1647

Previews

White Background



This preview shows how the Yxy color 40.4971, 0.2322, 0.3105 looks on a white background.

Color Contrast Check

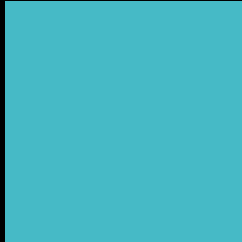
Large Text (above 18pt) WCAG AA × Fail

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 40.4971, 0.2322, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

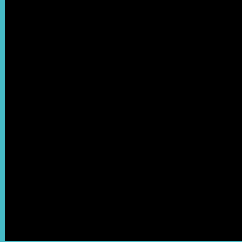
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4971, 0.2322, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 40.4971, 0.2322, 0.3105.

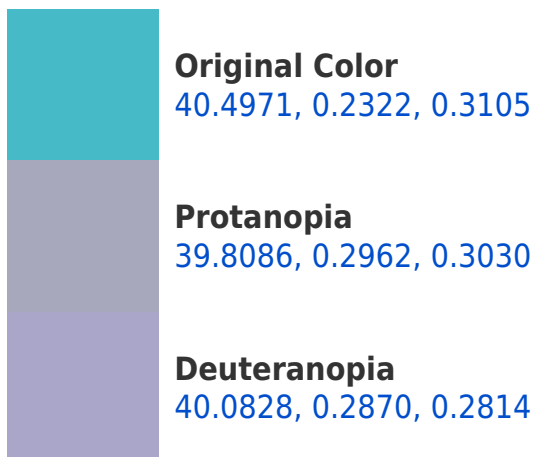


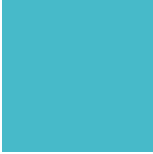
This preview shows how white text looks on a background with the Yxy color 40.4971, 0.2322, 0.3105.

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





Tritanopia

40.6745, 0.2311, 0.3061

Trichromacy



Original Color

40.4971, 0.2322, 0.3105

Protanomaly

39.3271, 0.2662, 0.3057

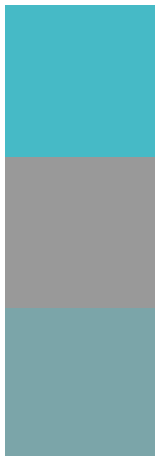
Deuteranomaly

39.1725, 0.2607, 0.2892

Tritanomaly

40.6275, 0.2315, 0.3076

Monochromacy



Original Color

40.4971, 0.2322, 0.3105

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.9858, 0.2732, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4971, 0.2322, 0.3105 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(70, 186, 198)` looks like.

```
.text, #text, p{  
    color:rgb(70, 186, 198)  
}
```

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(70, 186, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 186, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.4971, 0.2322, 0.3105 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(70, 186, 198) }
```

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

```
.border{ border-color:rgb(70, 186, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 186, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 186, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 186, 198);  
box-shadow:4px 4px 4px 4px rgb(70, 186,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4971, 0.2322, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 186, 198) }
```

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

```
.background{ background-color: rgb(70, 186,  
198) }
```

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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