

Converting Colors

$Y_{xy}(40.4598, 0.2258, 0.3018)$

Have a look what the booklet for
Yxy(40.4598, 0.2258, 0.3018)
contains.

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Color

Yxy(40.4073, 0.2258, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	3BBACC
RGB	59, 186, 204
RGB Percent	23%, 73%, 80%
CMY	0.7688, 0.2706, 0.1999
CMYK	0.71, 0.09, 0.00, 0.20
HSL	187°, 59%, 52%
HSV	187°, 71%, 80%
XYZ	30.2619, 40.4073, 63.3517
YIQ	150.0790, -81.4700, -21.3260

Conversions

Conversions Part 2

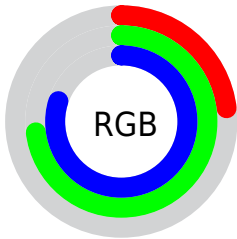
Format	Color
RYB	59, 127, 204
Decimal	3914444
CIELab	69.76, -28.23, -19.11
CIElCh	70, 34.087, 214.092
Yxy	40.4073, 0.2258, 0.3015
Android (android.graphics.Color)	4282104524 (0xFF3BBACC)
YUV	150.0790, 26.5831, -79.8763
Hunter-Lab	63.5667, -26.2641, -14.5927

Details

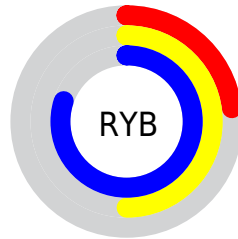
The Yxy color **40.4073, 0.2258, 0.3015** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **18.4615, 0.5348, 0.3483**, and the grayscale version is **30.4404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1599, 0.2438, 0.3137**, and **18.7045, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **38.8442, 0.2199, 0.2971**, and if you desaturate by 10%, it is **42.2358, 0.2336, 0.3059**.

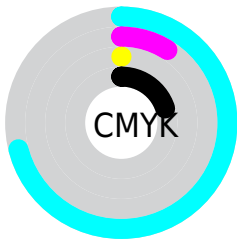
Distribution



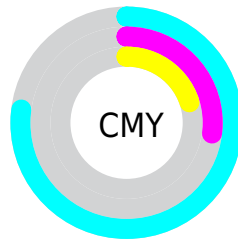
- Red (23%)
- Green (73%)
- Blue (80%)



- Red (23%)
- Yellow (50%)
- Blue (80%)



- Cyan (71%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)




- Cyan (77%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4073, 0.2258, 0.3015 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 40.4073, 0.2258, 0.3015 by changing the saturation by 10% instead.


 40.4073, 0.2258,
0.3015


 40.4073, 0.2258,
0.3015


347.8373, 0.2687,
0.3168


 27.8563, 0.2154,
0.2972


 75.7833, 0.2412,
0.3074


 18.2173, 0.2022,
0.2914


 99.3771, 0.2470,
0.3095


 11.1061, 0.1851,
0.2834


 127.4206, 0.2520,
0.3113

 6.1383, 0.1623,
0.2714

 160.2982, 0.2563,
0.3128

 2.9293, 0.1306,
0.2522

 198.3942, 0.2600,
0.3140

 1.0950, 0.0686,
0.2225

242.0932, 0.2633,

 0.0000, 0.0000,

0.3151

0.0000

291.7794, 0.2662,
0.3160

■ 40.4073, 0.2258,
0.3015

■ 40.4073, 0.2258,
0.3015

■ 38.8442, 0.2199,
0.2971

■ 42.2358, 0.2336,
0.3059

■ 37.5116, 0.2160,
0.2928

■ 44.3507, 0.2432,
0.3101

■ 36.4729, 0.2136,
0.2890

■ 46.7757, 0.2545,
0.3143

■ 49.5310, 0.2672,
0.3183

■ 52.6346, 0.2811,
0.3220

■ 56.1036, 0.2958,
0.3255

■ 59.9536, 0.3110,
0.3287

■ 64.1993, 0.3265,
0.3316

■ 68.8546, 0.3420,
0.3342

Harmonies

Analogous

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



40.4073, 0.2492, 0.3503



40.4073, 0.2258, 0.3015



40.4073, 0.2237, 0.2662

Triad

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



40.4073, 0.2258, 0.3015



40.4073, 0.3299, 0.2733



40.4073, 0.3836, 0.4117

Complementary

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



40.4073, 0.2258, 0.3015



18.4615, 0.5348, 0.3483

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.



40.4073, 0.4096, 0.3828



40.4073, 0.2258, 0.3015



40.4073, 0.3781, 0.3055

Square

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



40.4073, 0.2258, 0.3015



40.4073, 0.2803, 0.2535



40.4073, 0.4081, 0.3443



40.4073, 0.3395, 0.4189

Rectangle

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



40.4073, 0.2258, 0.3015



40.4073, 0.2340, 0.2534



40.4073, 0.4081, 0.3443



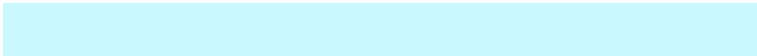
40.4073, 0.3949, 0.4038

Sweetspot

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



40.4088, 0.2258, 0.3015



87.0474, 0.2808, 0.3219



44.6499, 0.2959, 0.5348



18.3119, 0.2769, 0.3209



0.0000, 0.0000, 0.0000



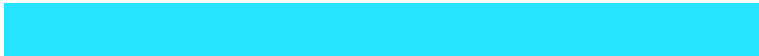
21.4041, 0.3127, 0.3290

Same Dimension

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



40.4088, 0.2258, 0.3015



63.1593, 0.2177, 0.2950



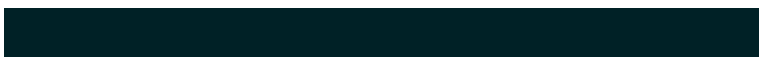
17.4512, 0.1962, 0.1822



12.4798, 0.2983, 0.3260



23.0415, 0.2138, 0.2896



1.2571, 0.2161, 0.2980

Inverse Universe

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



19.5097, 0.3424, 0.1890



28.2673, 0.3493, 0.1765



34.4680, 0.4562, 0.4325



11.3788, 0.3156, 0.3089



10.1290, 0.3547, 0.1728



0.5294, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 40.4073, 0.2258, 0.3015 looks on a white background.

Color Contrast Check

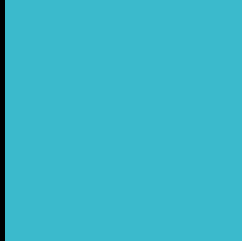
Large Text (above 18pt) WCAG AA × Fail

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 40.4073, 0.2258, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

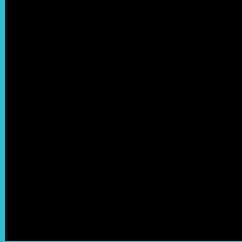
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4073, 0.2258, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 40.4073, 0.2258, 0.3015.

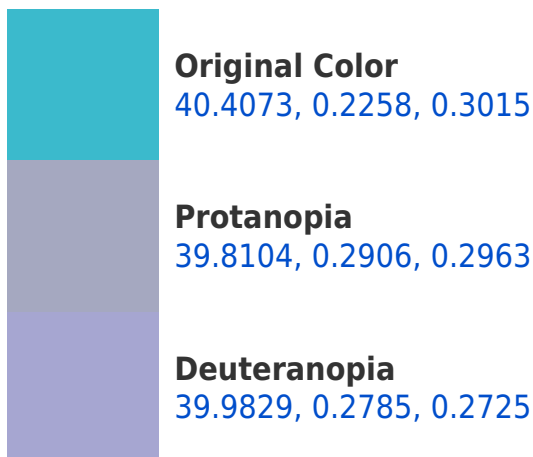


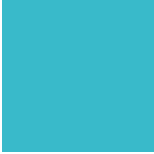
This preview shows how white text looks on a background with the Yxy color 40.4073, 0.2258, 0.3015.

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

40.2519, 0.2262, 0.3044

Trichromacy



Original Color

40.4073, 0.2258, 0.3015

Protanomaly

39.0811, 0.2588, 0.2984

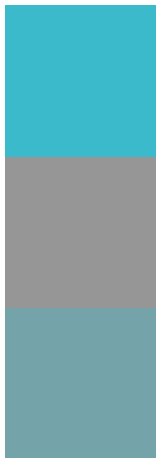
Deuteranomaly

38.9042, 0.2523, 0.2808

Tritanomaly

40.3291, 0.2260, 0.3030

Monochromacy



Original Color

40.4073, 0.2258, 0.3015

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.8786, 0.2676, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4073, 0.2258, 0.3015 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(59, 186, 204)` looks like.

```
.text, #text, p{  
  color:rgb(59, 186, 204)  
}
```

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(59, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 186, 204) }
```

Border

The CSS property to change the border of an element to Yxy 40.4073, 0.2258, 0.3015 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(59, 186, 204) }
```

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

```
.border{ border-color:rgb(59, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(59, 186,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4073, 0.2258, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 186, 204) }
```

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

```
.background{ background-color: rgb(59, 186,  
204) }
```

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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