

Converting Colors

$Y_{xy}(40.9919, 0.2384, 0.3065)$

Have a look what the booklet for
Yxy(40.9919, 0.2384, 0.3065)
contains.

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Color

Yxy(40.9919, 0.2384, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	59B9C8
RGB	89, 185, 200
RGB Percent	35%, 73%, 78%
CMY	0.6514, 0.2744, 0.2157
CMYK	0.56, 0.07, 0.00, 0.22
HSL	188°, 50%, 57%
HSV	188°, 56%, 78%
XYZ	31.8841, 40.9919, 60.8660
YIQ	158.0060, -62.0310, -15.6870

Conversions

Conversions Part 2

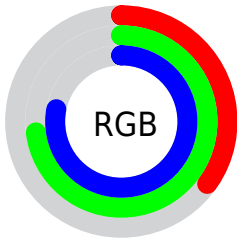
Format	Color
R _Y B	89, 140, 200
Decimal	5880264
CIE Lab	70.17, -24.01, -16.18
CIE LCh	70, 28.954, 213.984
Yxy	40.9919, 0.2384, 0.3065
Android (android.graphics.Color)	4284070344 (0xFF59B9C8)
YUV	158.0060, 20.7030, -60.5183
Hunter-Lab	64.0249, -23.1515, -11.5472

Details

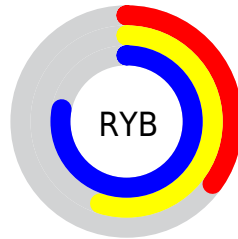
The Yxy color **40.9919, 0.2384, 0.3065** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.8675, 0.4654, 0.3483**, and the grayscale version is **34.1080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4265, 0.2527, 0.3129**, and **18.6634, 0.2182, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **39.0196, 0.2294, 0.3018**, and if you desaturate by 10%, it is **43.2572, 0.2491, 0.3111**.

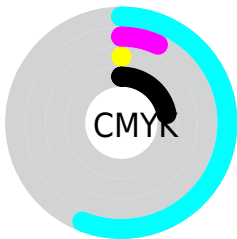
Distribution



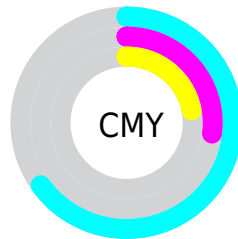
- Red (35%)
- Green (73%)
- Blue (78%)



- Red (35%)
- Yellow (55%)
- Blue (78%)



- Cyan (56%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)





- Cyan (65%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9919, 0.2384, 0.3065 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 40.9919, 0.2384, 0.3065 by changing the saturation by 10% instead.


 40.9919, 0.2384,
0.3065


 40.9919, 0.2384,
0.3065


350.2868, 0.2753,
0.3189


 28.3128, 0.2294,
0.3030


 76.6716, 0.2517,
0.3113


 18.5616, 0.2179,
0.2984


 100.4409, 0.2567,
0.3130

 11.3539, 0.2028,
0.2919

 128.6758, 0.2610,
0.3144

 6.3054, 0.1824,
0.2822

 161.7606, 0.2647,
0.3156

 3.0317, 0.1534,
0.2666

200.0797, 0.2678,
0.3166

 1.1483, 0.1015,
0.2408

244.0175, 0.2706,

 0.0188, 0.0000,

0.3175

0.0159

293.9584, 0.2731,
0.3183

■ 0.0000, 0.0000,
0.0000

■ 40.9919, 0.2384,
0.3065

■ 40.9919, 0.2384,
0.3065

■ 39.0196, 0.2294,
0.3018

■ 43.2572, 0.2491,
0.3111

■ 37.3132, 0.2224,
0.2971

■ 45.8309, 0.2613,
0.3155

■ 35.8483, 0.2172,
0.2923

■ 48.7325, 0.2748,
0.3197

■ 34.5927, 0.2138,
0.2876

■ 51.9787, 0.2892,
0.3235

■ 34.0738, 0.2127,
0.2856

■ 55.5849, 0.3042,
0.3271

■ 59.5656, 0.3196,
0.3304

■ 63.9344, 0.3351,
0.3334

■ 68.7043, 0.3504,
0.3360

■ 71.1610, 0.3547,
0.3386

Harmonies

Analogous

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



40.9919, 0.2589, 0.3473



40.9919, 0.2384, 0.3065



40.9919, 0.2363, 0.2760

Triad

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



40.9919, 0.2384, 0.3065



40.9919, 0.3274, 0.2811



40.9919, 0.3734, 0.3993

Complementary

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



40.9919, 0.2384, 0.3065



22.8675, 0.4654, 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.



40.9919, 0.3949, 0.3756



40.9919, 0.2384, 0.3065



40.9919, 0.3678, 0.3091

Square

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



40.9919, 0.2384, 0.3065



40.9919, 0.2853, 0.2641



40.9919, 0.3932, 0.3428



40.9919, 0.3362, 0.4043

Rectangle

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



40.9919, 0.2384, 0.3065



40.9919, 0.2453, 0.2646



40.9919, 0.3932, 0.3428



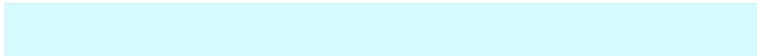
40.9919, 0.3828, 0.3930

Sweetspot

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



40.9934, 0.2384, 0.3065



89.0155, 0.2867, 0.3229



44.4135, 0.2967, 0.4838



18.8017, 0.2837, 0.3221



0.0000, 0.0000, 0.0000



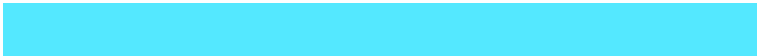
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9934, 0.2384, 0.3065



66.8160, 0.2276, 0.3007



22.1524, 0.2195, 0.2165



11.8144, 0.2984, 0.3258



21.7646, 0.2128, 0.2862



1.0998, 0.2156, 0.2960

Inverse Universe

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



22.9066, 0.3363, 0.2131



33.4492, 0.3427, 0.1943



37.8787, 0.4197, 0.4178



10.7911, 0.3158, 0.3092



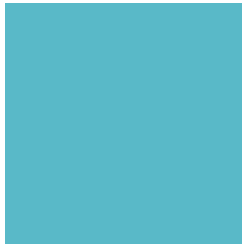
9.7371, 0.3578, 0.1745



0.4680, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 40.9919, 0.2384, 0.3065 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 40.9919, 0.2384, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

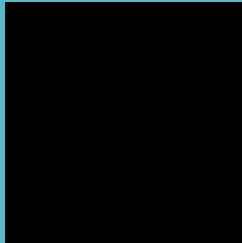
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9919, 0.2384, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 40.9919, 0.2384, 0.3065.

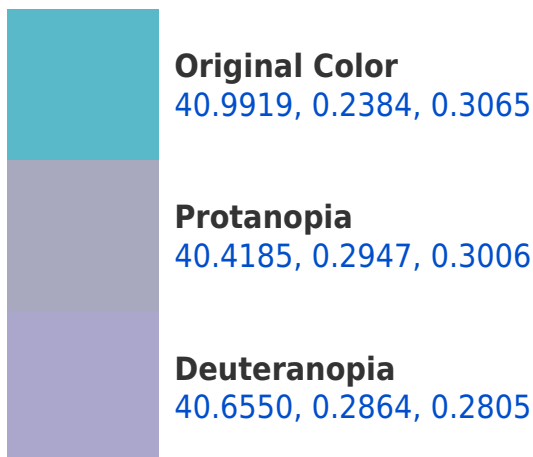


This preview shows how white text looks on a background with the Yxy color 40.9919, 0.2384, 0.3065.

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

40.9919, 0.2384, 0.3065

Trichromacy



Original Color

40.9919, 0.2384, 0.3065

Protanomaly

40.0440, 0.2693, 0.3019

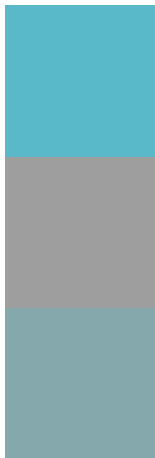
Deuteranomaly

40.2466, 0.2646, 0.2886

Tritanomaly

40.9919, 0.2384, 0.3065

Monochromacy



Original Color

40.9919, 0.2384, 0.3065

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.0089, 0.2786, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9919, 0.2384, 0.3065 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(89, 185, 200)` looks like.

```
.text, #text, p{  
    color:rgb(89, 185, 200)  
}
```

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(89, 185, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 185, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.9919, 0.2384, 0.3065 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(89, 185, 200) }
```

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

```
.border{ border-color:rgb(89, 185, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 185, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 185, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 185, 200);  
box-shadow:4px 4px 4px 4px rgb(89, 185,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9919, 0.2384, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 185, 200) }
```

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

```
.background{ background-color: rgb(89, 185,  
200) }
```

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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