

Converting Colors

$Y_{xy}(34.2920, 0.2381, 0.3079)$

Have a look what the booklet for
Yxy(34.2920, 0.2381, 0.3079)
contains.

Yxy(34.2920, 0.2381, 0.3079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(34.2920, 0.2381, 0.3079)$

Conversions

Conversions Part 1

Format	Color
Hex	50ABB8
RGB	80, 171, 184
RGB Percent	31%, 67%, 72%
CMY	0.6865, 0.3294, 0.2785
CMYK	0.57, 0.07, 0.00, 0.28
HSL	187°, 42%, 52%
HSV	187°, 57%, 72%
XYZ	26.5181, 34.2920, 50.5637
YIQ	145.2730, -58.4090, -15.2490

Conversions

Conversions Part 2

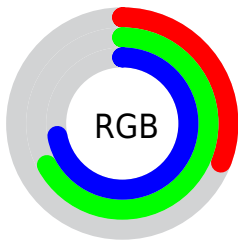
Format	Color
RYB	80, 129, 184
Decimal	5286840
CIELab	65.19, -23.26, -14.89
CIELCh	65, 27.614, 212.628
Yxy	34.2920, 0.2381, 0.3079
Android (android.graphics.Color)	4283476920 (0xFF50ABB8)
YUV	145.2730, 19.0924, -57.2444
Hunter-Lab	58.5594, -21.6467, -10.2030

Details

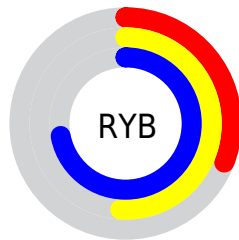
The Yxy color **34.2920, 0.2381, 0.3079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.5826, 0.4691, 0.3471**, and the grayscale version is **28.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6327, 0.2523, 0.3132**, and **14.5956, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **32.7400, 0.2294, 0.3036**, and if you desaturate by 10%, it is **36.0808, 0.2485, 0.3121**.

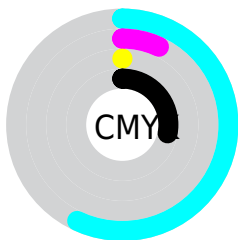
Distribution



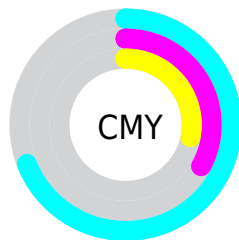
- Red (31%)
- Green (67%)
- Blue (72%)



- Red (31%)
- Yellow (51%)
- Blue (72%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (28%)





- Cyan (69%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2920, 0.2381, 0.3079 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 34.2920, 0.2381, 0.3079 by changing the saturation by 10% instead.

 34.2920, 0.2381,
0.3079


 34.2920, 0.2381,
0.3079


321.4321, 0.2762,
0.3200


 23.1180, 0.2284,
0.3044


 66.3875, 0.2521,
0.3127


 14.6807, 0.2158,
0.2995


 88.0778, 0.2573,
0.3143

 8.5956, 0.1991,
0.2925


 114.0423, 0.2617,
0.3157

 4.4783, 0.1757,
0.2816

 144.6655, 0.2655,
0.3168

 1.9446, 0.1413,
0.2629

180.3316, 0.2687,
0.3178

 0.5750, 0.0000,
0.2370

221.4252, 0.2716,

 0.0000, 0.0000,

0.3186

0.0000

268.3305, 0.2740,
0.3193

■ 34.2920, 0.2381,
0.3079

■ 34.2920, 0.2381,
0.3079

■ 32.7400, 0.2294,
0.3036

■ 36.0808, 0.2485,
0.3121

■ 31.4026, 0.2227,
0.2992

■ 38.1190, 0.2604,
0.3162

■ 30.2595, 0.2178,
0.2949

■ 40.4227, 0.2736,
0.3200

■ 29.2820, 0.2146,
0.2906

■ 43.0054, 0.2878,
0.3236

■ 28.9635, 0.2137,
0.2891

■ 45.8800, 0.3027,
0.3270

■ 49.0582, 0.3180,
0.3300

■ 52.5511, 0.3334,
0.3328

■ 56.3694, 0.3488,
0.3352

■ 60.5232, 0.3639,
0.3374

Harmonies

Analogous

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



34.2920, 0.2596, 0.3495



34.2920, 0.2381, 0.3079



34.2920, 0.2351, 0.2764

Triad

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



34.2920, 0.2381, 0.3079



34.2920, 0.3255, 0.2795



34.2920, 0.3755, 0.3994

Complementary

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



34.2920, 0.2381, 0.3079



18.5826, 0.4691, 0.3471

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.



34.2920, 0.3963, 0.3747



34.2920, 0.2381, 0.3079



34.2920, 0.3669, 0.3074

Square

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



34.2920, 0.2381, 0.3079



34.2920, 0.2832, 0.2629



34.2920, 0.3935, 0.3413



34.2920, 0.3384, 0.4056

Rectangle

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



34.2920, 0.2381, 0.3079



34.2920, 0.2437, 0.2643



34.2920, 0.3935, 0.3413



34.2920, 0.3847, 0.3927

Sweetspot

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



34.2933, 0.2381, 0.3079



77.6061, 0.2868, 0.3234



36.7546, 0.2976, 0.4888



16.5226, 0.2839, 0.3227



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.



34.2933, 0.2381, 0.3079



58.6930, 0.2275, 0.3025



18.5546, 0.2190, 0.2179



10.0143, 0.2985, 0.3261



20.0342, 0.2138, 0.2897



0.7603, 0.2169, 0.3007

Inverse Universe

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



18.8587, 0.3352, 0.2109



28.8730, 0.3413, 0.1921



30.7462, 0.4227, 0.4165



9.1429, 0.3156, 0.3092



8.8048, 0.3546, 0.1727



0.3158, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 34.2920, 0.2381, 0.3079 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 34.2920, 0.2381, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

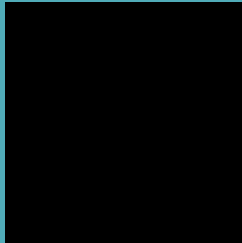
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2920, 0.2381, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 34.2920, 0.2381, 0.3079.

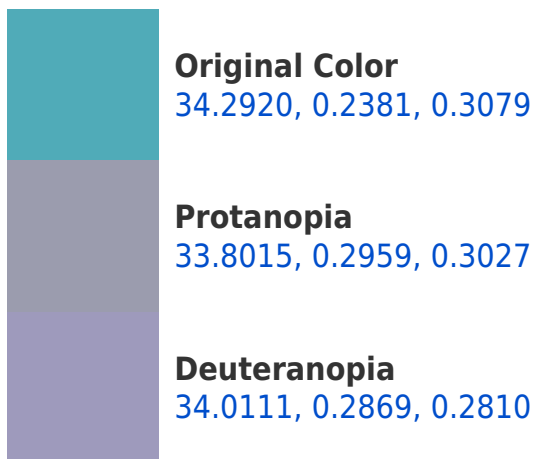


This preview shows how white text looks on a background with the Yxy color 34.2920, 0.2381, 0.3079.

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

34.3341, 0.2376, 0.3063

Trichromacy



Original Color

34.2920, 0.2381, 0.3079

Protanomaly

33.2933, 0.2699, 0.3028

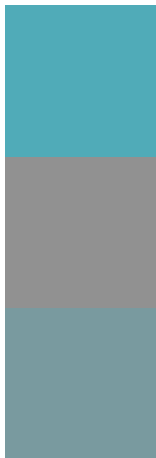
Deuteranomaly

33.4753, 0.2649, 0.2884

Tritanomaly

34.3341, 0.2376, 0.3063

Monochromacy



Original Color

34.2920, 0.2381, 0.3079

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.6794, 0.2777, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2920, 0.2381, 0.3079 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(80, 171, 184)` looks like.

```
.text, #text, p{  
    color:rgb(80, 171, 184)  
}
```

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(80, 171, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 171, 184) }
```

Border

The CSS property to change the border of an element to Yxy 34.2920, 0.2381, 0.3079 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(80, 171, 184) }
```

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

```
.border{ border-color:rgb(80, 171, 184) }
```

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

Here you see how a box with a 4 pixel rgb(80, 171, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 171, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 171, 184);  
box-shadow:4px 4px 4px 4px rgb(80, 171,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2920, 0.2381, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 171, 184) }
```

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

```
.background{ background-color: rgb(80, 171,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor