

Converting Colors

$Y_{xy}(35.1805, 0.2372, 0.3065)$

Have a look what the booklet for
Yxy(35.1805, 0.2372, 0.3065)
contains.

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Color

Yxy(35.1805, 0.2372, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	50ADBB
RGB	80, 173, 187
RGB Percent	31%, 68%, 73%
CMY	0.6860, 0.3216, 0.2666
CMYK	0.57, 0.07, 0.00, 0.27
HSL	188°, 44%, 52%
HSV	188°, 57%, 73%
XYZ	27.2261, 35.1805, 52.3748
YIQ	146.7890, -59.9220, -15.3620

Conversions

Conversions Part 2

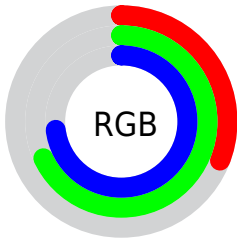
Format	Color
RYB	80, 130, 187
Decimal	5287355
CIELab	65.89, -23.37, -15.52
CIELCh	66, 28.053, 213.583
Yxy	35.1805, 0.2372, 0.3065
Android (android.graphics.Color)	4283477435 (0xFF50ADBB)
YUV	146.7890, 19.8240, -58.5740
Hunter-Lab	59.3132, -21.8623, -10.8351

Details

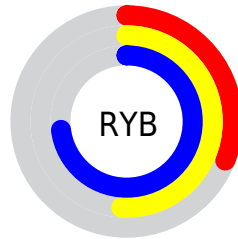
The Yxy color **35.1805, 0.2372, 0.3065** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.1664, 0.4715, 0.3481**, and the grayscale version is **29.0286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9130, 0.2513, 0.3121**, and **15.1542, 0.2158, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **33.5458, 0.2286, 0.3020**, and if you desaturate by 10%, it is **37.0616, 0.2476, 0.3110**.

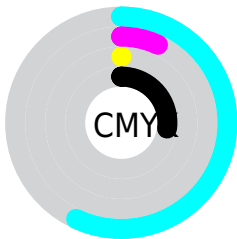
Distribution



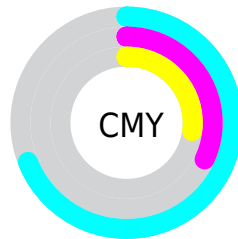
- Red (31%)
- Green (68%)
- Blue (73%)



- Red (31%)
- Yellow (51%)
- Blue (73%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (69%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1805, 0.2372, 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 35.1805, 0.2372, 0.3065 by changing the saturation by 10% instead.


 35.1805, 0.2372,
0.3065


 35.1805, 0.2372,
0.3065


325.3643, 0.2756,
0.3193


 23.8019, 0.2275,
0.3028


 67.7653, 0.2513,
0.3115

 15.1868, 0.2150,
0.2978

 89.7403, 0.2565,
0.3133

 8.9506, 0.1983,
0.2905


 116.0163, 0.2610,
0.3147

 4.7090, 0.1752,
0.2794

 146.9777, 0.2647,
0.3159

 2.0775, 0.1416,
0.2605

183.0087, 0.2680,
0.3170

 0.6519, 0.0178,
0.2365

224.4939, 0.2709,

 0.0000, 0.0000,

0.3178

0.0000

271.8177, 0.2734,
0.3186

■ 35.1805, 0.2372,
0.3065

■ 35.1805, 0.2372,
0.3065

■ 33.5458, 0.2286,
0.3020

■ 37.0616, 0.2476,
0.3110

■ 32.1343, 0.2218,
0.2974

■ 39.2025, 0.2595,
0.3152

■ 30.9245, 0.2170,
0.2928

■ 41.6198, 0.2727,
0.3193

■ 29.8845, 0.2138,
0.2883

■ 44.3280, 0.2869,
0.3231

■ 29.6060, 0.2131,
0.2870

■ 47.3403, 0.3018,
0.3267

■ 50.6691, 0.3170,
0.3299

■ 54.3259, 0.3325,
0.3328

■ 58.3220, 0.3478,
0.3354

■ 62.6677, 0.3629,
0.3377

Harmonies

Analogous

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



35.1805, 0.2583, 0.3482



35.1805, 0.2372, 0.3065



35.1805, 0.2348, 0.2753

Triad

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



35.1805, 0.2372, 0.3065



35.1805, 0.3270, 0.2799



35.1805, 0.3749, 0.4004

Complementary

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



35.1805, 0.2372, 0.3065



19.1664, 0.4715, 0.3481

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.



35.1805, 0.3966, 0.3760



35.1805, 0.2372, 0.3065



35.1805, 0.3684, 0.3083

Square

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



35.1805, 0.2372, 0.3065



35.1805, 0.2842, 0.2628



35.1805, 0.3946, 0.3425



35.1805, 0.3372, 0.4060

Rectangle

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



35.1805, 0.2372, 0.3065



35.1805, 0.2438, 0.2635



35.1805, 0.3946, 0.3425



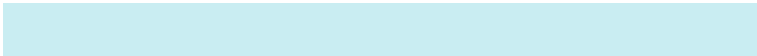
35.1805, 0.3844, 0.3939

Sweetspot

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



35.1818, 0.2372, 0.3065



79.3358, 0.2867, 0.3231



38.0359, 0.2975, 0.4911



17.2466, 0.2838, 0.3223



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.1818, 0.2372, 0.3065



59.2923, 0.2264, 0.3006



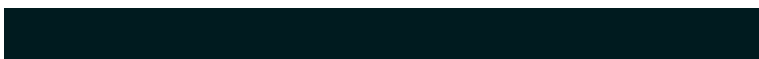
18.9864, 0.2179, 0.2163



10.5904, 0.2985, 0.3259



20.4715, 0.2132, 0.2875



0.8620, 0.2162, 0.2984

Inverse Universe

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



19.3301, 0.3365, 0.2104



29.1524, 0.3430, 0.1916



31.7089, 0.4243, 0.4174



9.6742, 0.3157, 0.3093



9.0963, 0.3566, 0.1738



0.3624, 0.3469, 0.1684

Previews

White Background



This preview shows how the Yxy color 35.1805, 0.2372, 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 35.1805, 0.2372, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

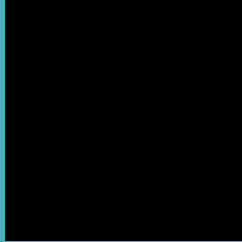
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1805, 0.2372, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 35.1805, 0.2372, 0.3065.



This preview shows how white text looks on a background with the Yxy color 35.1805, 0.2372, 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



Original Color

35.1805, 0.2372, 0.3065

Protanopia

34.7961, 0.2953, 0.3016

Deuteranopia

34.9095, 0.2855, 0.2801



Tritanopia

35.1805, 0.2372, 0.3065

Trichromacy



Original Color

35.1805, 0.2372, 0.3065

Protanomaly

34.1977, 0.2689, 0.3016

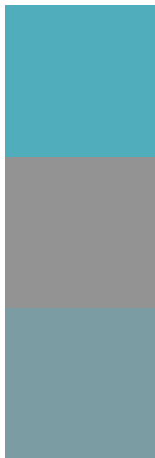
Deuteranomaly

34.3042, 0.2631, 0.2873

Tritanomaly

35.1805, 0.2372, 0.3065

Monochromacy



Original Color

35.1805, 0.2372, 0.3065

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5965, 0.2773, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1805, 0.2372, 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(80, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(80, 173, 187)  
}
```

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, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 173, 187) }
```

Border

The CSS property to change the border of an element to Yxy 35.1805, 0.2372, 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(80, 173, 187) }
```

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

```
.border{ border-color:rgb(80, 173, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 173, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(80, 173,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1805, 0.2372, 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(80, 173, 187) }
```

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

```
.background{ background-color: rgb(80, 173,  
187) }
```

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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