

Converting Colors

$Y_{xy}(36.5921, 0.2275, 0.3051)$

Have a look what the booklet for
Yxy(36.5921, 0.2275, 0.3051)
contains.

Yxy(36.5906, 0.2275, 0.3050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.5906, 0.2275, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	3AB2C1
RGB	58, 178, 193
RGB Percent	23%, 70%, 76%
CMY	0.7725, 0.3020, 0.2431
CMYK	0.70, 0.08, 0.00, 0.24
HSL	187°, 54%, 49%
HSV	187°, 70%, 76%
XYZ	27.2930, 36.5906, 56.0856
YIQ	143.8300, -76.3350, -20.7750

Conversions

Conversions Part 2

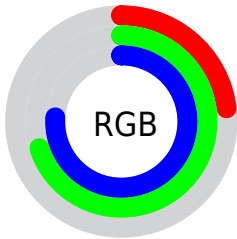
Format	Color
RYB	58, 122, 193
Decimal	3846849
CIELab	66.97, -27.76, -17.27
CIElCh	67, 32.691, 211.895
Yxy	36.5906, 0.2275, 0.3050
Android (android.graphics.Color)	4282036929 (0xFF3AB2C1)
YUV	143.8300, 24.2408, -75.2729
Hunter-Lab	60.4902, -25.3191, -12.6297

Details

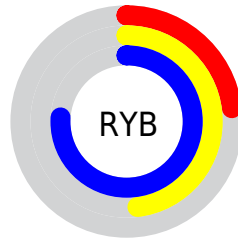
The Yxy color **36.5906, 0.2275, 0.3050** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.4157, 0.5304, 0.3462**, and the grayscale version is **27.7450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8961, 0.2433, 0.3109**, and **16.5313, 0.2161, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **35.2698, 0.2216, 0.3011**, and if you desaturate by 10%, it is **38.1442, 0.2353, 0.3089**.

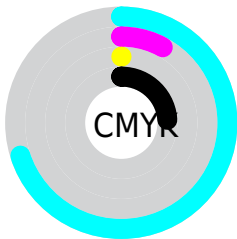
Distribution



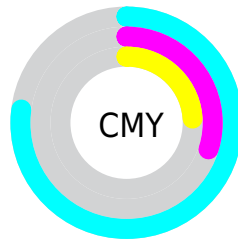
- Red (23%)
- Green (70%)
- Blue (76%)



- Red (23%)
- Yellow (48%)
- Blue (76%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)




- Cyan (77%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5906, 0.2275, 0.3050 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 36.5906, 0.2275, 0.3050 by changing the saturation by 10% instead.


 36.5906, 0.2275,
0.3050


 36.5906, 0.2275,
0.3050


331.5346, 0.2704,
0.3187


 24.8907, 0.2169,
0.3010


 69.9427, 0.2431,
0.3104

 15.9956, 0.2033,
0.2956


 92.3636, 0.2489,
0.3123

 9.5211, 0.1854,
0.2878

 119.1270, 0.2539,
0.3139

 5.0826, 0.1611,
0.2758

 150.6172, 0.2581,
0.3152

 2.2958, 0.1267,
0.2558

 187.2187, 0.2618,
0.3163

 0.7715, 0.0167,
0.2316

229.3159, 0.2650,

 0.0000, 0.0000,

0.3172

0.0000

277.2930, 0.2678,
0.3180

■ 36.5906, 0.2275,
0.3050

■ 36.5906, 0.2275,
0.3050

■ 35.2698, 0.2216,
0.3011

■ 38.1442, 0.2353,
0.3089

■ 34.1521, 0.2175,
0.2973

■ 39.9484, 0.2450,
0.3126

■ 33.1890, 0.2149,
0.2935

■ 42.0237, 0.2563,
0.3163

■ 33.1832, 0.2149,
0.2935

■ 44.3873, 0.2690,
0.3198

■ 47.0549, 0.2829,
0.3231

■ 50.0411, 0.2976,
0.3262

■ 53.3594, 0.3128,
0.3290

■ 57.0227, 0.3283,
0.3316

■ 61.0430, 0.3438,
0.3339

Harmonies

Analogous

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



36.5906, 0.2522, 0.3538



36.5906, 0.2275, 0.3050



36.5906, 0.2238, 0.2687

Triad

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



36.5906, 0.2275, 0.3050



36.5906, 0.3260, 0.2718



36.5906, 0.3857, 0.4095

Complementary

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



36.5906, 0.2275, 0.3050



16.4157, 0.5304, 0.3462

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.



36.5906, 0.4097, 0.3798



36.5906, 0.2275, 0.3050



36.5906, 0.3744, 0.3030

Square

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



36.5906, 0.2275, 0.3050



36.5906, 0.2773, 0.2533



36.5906, 0.4060, 0.3414



36.5906, 0.3429, 0.4185

Rectangle

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



36.5906, 0.2275, 0.3050



36.5906, 0.2331, 0.2550



36.5906, 0.4060, 0.3414



36.5906, 0.3963, 0.4013

Sweetspot

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



36.5920, 0.2275, 0.3050



83.5618, 0.2809, 0.3227



39.5094, 0.2969, 0.5339



17.6344, 0.2770, 0.3218



97.7402, 0.3127, 0.3290



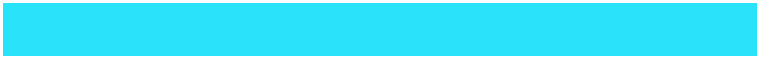
20.4902, 0.3127, 0.3290

Same Dimension

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



36.5920, 0.2275, 0.3050



62.0380, 0.2192, 0.2991



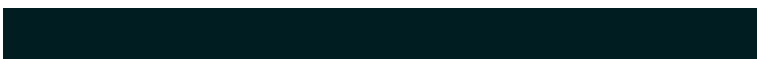
16.3441, 0.1991, 0.1895



11.2309, 0.2984, 0.3264



22.1394, 0.2150, 0.2940



1.0122, 0.2174, 0.3025

Inverse Universe

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



17.5824, 0.3393, 0.1891



27.3432, 0.3457, 0.1752



30.1162, 0.4555, 0.4287



10.2276, 0.3154, 0.3088



9.5172, 0.3508, 0.1706



0.4168, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 36.5906, 0.2275, 0.3050 looks on a white background.

Color Contrast Check

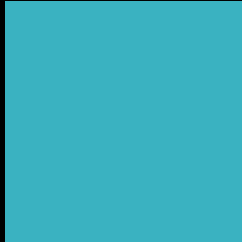
Large Text (above 18pt) WCAG AA × Fail

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 36.5906, 0.2275, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

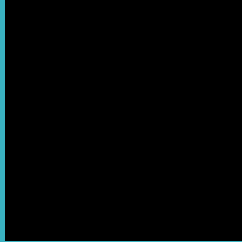
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5906, 0.2275, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 36.5906, 0.2275, 0.3050.

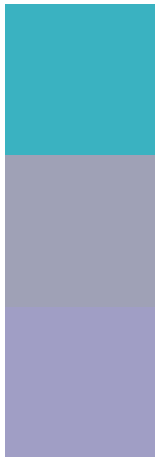


This preview shows how white text looks on a background with the Yxy color 36.5906, 0.2275, 0.3050.

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

36.5906, 0.2275, 0.3050

Protanopia

36.2381, 0.2930, 0.2992

Deuteranopia

35.9585, 0.2818, 0.2754



Tritanopia

36.5906, 0.2275, 0.3050

Trichromacy



Original Color

36.5906, 0.2275, 0.3050



Protanomaly

35.3202, 0.2609, 0.3001



Deuteranomaly

35.1067, 0.2547, 0.2831



Tritanomaly

36.5906, 0.2275, 0.3050

Monochromacy



Original Color

36.5906, 0.2275, 0.3050



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.8963, 0.2690, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5906, 0.2275, 0.3050 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(58, 178, 193)` looks like.

```
.text, #text, p{  
    color:rgb(58, 178, 193)  
}
```

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(58, 178, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 178, 193) }
```

Border

The CSS property to change the border of an element to Yxy 36.5906, 0.2275, 0.3050 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(58, 178, 193) }
```

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

```
.border{ border-color:rgb(58, 178, 193) }
```

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

Here you see how a box with a 4 pixel rgb(58, 178, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 178, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 178, 193);  
box-shadow:4px 4px 4px 4px rgb(58, 178,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5906, 0.2275, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 178, 193) }
```

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

```
.background{ background-color: rgb(58, 178,  
193) }
```

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