

Converting Colors

$Y_{xy}(36.0320, 0.2378, 0.2956)$

Have a look what the booklet for
Yxy(36.0320, 0.2378, 0.2956)
contains.

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Color

Yxy(36.0009, 0.2377, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	5AADC3
RGB	90, 173, 195
RGB Percent	35%, 68%, 76%
CMY	0.6467, 0.3216, 0.2352
CMYK	0.54, 0.11, 0.00, 0.24
HSL	193°, 47%, 56%
HSV	193°, 54%, 76%
XYZ	29.0180, 36.0009, 57.0594
YIQ	150.6910, -56.5300, -10.7540

Conversions

Conversions Part 2

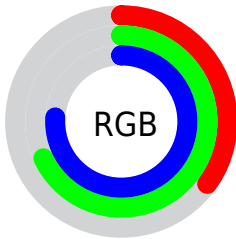
Format	Color
RYB	90, 136, 195
Decimal	5942723
CIELab	66.52, -19.02, -18.97
CIElCh	67, 26.858, 224.928
Yxy	36.0009, 0.2377, 0.2949
Android (android.graphics.Color)	4284132803 (0xFF5AADC3)
YUV	150.6910, 21.8443, -53.2260
Hunter-Lab	60.0007, -18.6738, -14.3830

Details

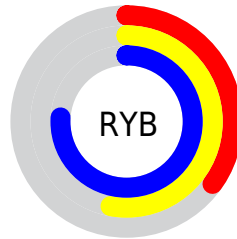
The Yxy color **36.0009, 0.2377, 0.2949** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **23.9588, 0.4512, 0.3584**, and the grayscale version is **30.7415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2699, 0.2513, 0.3021**, and **15.5266, 0.2157, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **33.6020, 0.2274, 0.2874**, and if you desaturate by 10%, it is **38.7072, 0.2496, 0.3022**.

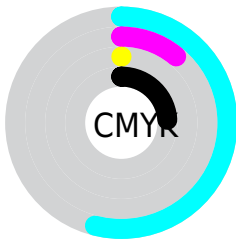
Distribution



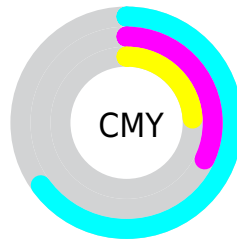
- Red (35%)
- Green (68%)
- Blue (76%)



- Red (35%)
- Yellow (53%)
- Blue (76%)



- Cyan (54%)
- Magenta (11%)
- Yellow (0%)
- Black (24%)




- Cyan (65%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0009, 0.2377, 0.2949 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 36.0009, 0.2377, 0.2949 by changing the saturation by 10% instead.


 36.0009, 0.2377,
0.2949


 36.0009, 0.2377,
0.2949


328.9645, 0.2757,
0.3135


 24.4349, 0.2282,
0.2898


 69.0335, 0.2516,
0.3020


 15.6565, 0.2160,
0.2830


 91.2688, 0.2567,
0.3046

 9.2814, 0.1998,
0.2735


 117.8294, 0.2611,
0.3067

 4.9252, 0.1775,
0.2594

 149.0996, 0.2649,
0.3085

 2.2034, 0.1453,
0.2368

185.4638, 0.2681,
0.3100

 0.7219, 0.0621,
0.2021

227.3064, 0.2710,

 0.0000, 0.0000,

0.3113

0.0000

275.0118, 0.2735,
0.3125

■ 36.0009, 0.2377,
0.2949

■ 36.0009, 0.2377,
0.2949

■ 33.6020, 0.2274,
0.2874

■ 38.7072, 0.2496,
0.3022

■ 31.4856, 0.2189,
0.2798

■ 41.7356, 0.2627,
0.3091

■ 29.6288, 0.2124,
0.2721

■ 45.1045, 0.2769,
0.3155

■ 28.0028, 0.2077,
0.2645

■ 48.8295, 0.2917,
0.3215

■ 27.0773, 0.2055,
0.2598

■ 52.9254, 0.3069,
0.3270

■ 57.4059, 0.3222,
0.3320

■ 62.2839, 0.3374,
0.3365

■ 67.5719, 0.3522,
0.3405

■ 71.2140, 0.3583,
0.3444

Harmonies

Analogous

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



36.0009, 0.2513, 0.3319



36.0009, 0.2377, 0.2949



36.0009, 0.2424, 0.2706

Triad

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



36.0009, 0.2377, 0.2949



36.0009, 0.3421, 0.2915



36.0009, 0.3597, 0.4014

Complementary

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



36.0009, 0.2377, 0.2949



23.9588, 0.4512, 0.3584

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.



36.0009, 0.3871, 0.3842



36.0009, 0.2377, 0.2949



36.0009, 0.3773, 0.3214

Square

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



36.0009, 0.2377, 0.2949



36.0009, 0.3004, 0.2705



36.0009, 0.3940, 0.3546



36.0009, 0.3207, 0.3977

Rectangle

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



36.0009, 0.2377, 0.2949



36.0009, 0.2554, 0.2635



36.0009, 0.3940, 0.3546



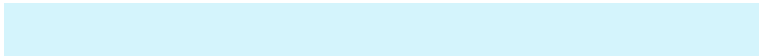
36.0009, 0.3706, 0.3976

Sweetspot

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



36.0023, 0.2377, 0.2949



85.7459, 0.2880, 0.3201



42.3660, 0.2931, 0.4665



18.4662, 0.2849, 0.3189



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.



36.0023, 0.2377, 0.2949



59.2920, 0.2254, 0.2857



19.9324, 0.2202, 0.2092



11.0578, 0.2984, 0.3241



17.7197, 0.2058, 0.2608



0.8579, 0.2105, 0.2777

Inverse Universe

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



21.9488, 0.3453, 0.2248



32.8798, 0.3551, 0.2067



38.7307, 0.4105, 0.4234



10.2101, 0.3169, 0.3110



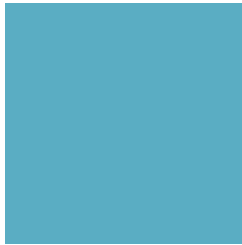
9.0711, 0.3816, 0.1876



0.4012, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 36.0009, 0.2377, 0.2949 looks on a white background.

Color Contrast Check

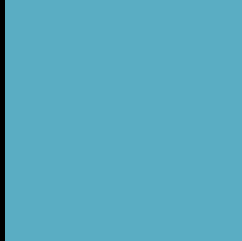
Large Text (above 18pt) WCAG AA × Fail

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 36.0009, 0.2377, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

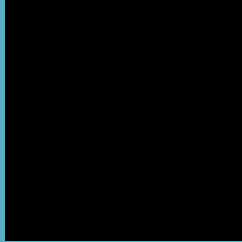
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0009, 0.2377, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 36.0009, 0.2377, 0.2949.



This preview shows how white text looks on a background with the Yxy color 36.0009, 0.2377, 0.2949.

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

36.0009, 0.2377, 0.2949

Protanopia

35.7547, 0.2871, 0.2921

Deuteranopia

35.8000, 0.2794, 0.2738



Tritanopia

35.9777, 0.2408, 0.3068

Trichromacy



Original Color

36.0009, 0.2377, 0.2949

Protanomaly

35.4899, 0.2659, 0.2934

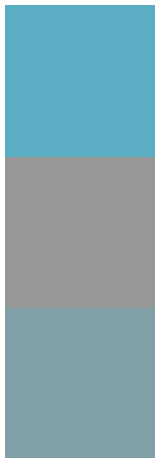
Deuteranomaly

35.2121, 0.2608, 0.2796

Tritanomaly

36.1575, 0.2397, 0.3024

Monochromacy



Original Color

36.0009, 0.2377, 0.2949

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.2534, 0.2788, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0009, 0.2377, 0.2949 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(90, 173, 195)` looks like.

```
.text, #text, p{  
    color:rgb(90, 173, 195)  
}
```

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(90, 173, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 173, 195) }
```

Border

The CSS property to change the border of an element to Yxy 36.0009, 0.2377, 0.2949 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(90, 173, 195) }
```

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

```
.border{ border-color:rgb(90, 173, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 173, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 173, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 173, 195);  
box-shadow:4px 4px 4px 4px rgb(90, 173,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0009, 0.2377, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 173, 195) }
```

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

```
.background{ background-color: rgb(90, 173,  
195) }
```

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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