

Converting Colors

$Y_{xy}(36.6320, 0.2362, 0.3019)$

Have a look what the booklet for
Yxy(36.6320, 0.2362, 0.3019)
contains.

Yxy(36.7399, 0.2364, 0.3024)	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

$\text{Yxy}(36.7399, 0.2364, 0.3024)$

Conversions

Conversions Part 1

Format	Color
Hex	53B0C1
RGB	83, 176, 193
RGB Percent	33%, 69%, 76%
CMY	0.6743, 0.3098, 0.2431
CMYK	0.57, 0.09, 0.00, 0.24
HSL	189°, 47%, 54%
HSV	189°, 57%, 76%
XYZ	28.7213, 36.7399, 56.0332
YIQ	150.1310, -60.8850, -14.4290

Conversions

Conversions Part 2

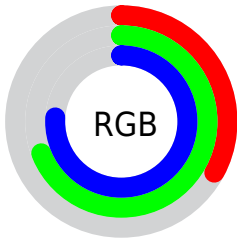
Format	Color
R _Y B	83, 133, 193
Decimal	5484737
CIE Lab	67.08, -22.58, -17.03
CIE LCh	67, 28.285, 217.016
Yxy	36.7399, 0.2364, 0.3024
Android (android.graphics.Color)	4283674817 (0xFF53B0C1)
YUV	150.1310, 21.1344, -58.8739
Hunter-Lab	60.6134, -21.4925, -12.3804

Details

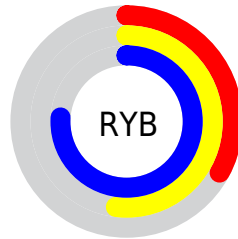
The Yxy color **36.7399, 0.2364, 0.3024** is a light color, and the websafe version is hex **339999**. The color can be described as light muted azure. A complement of this color would be **21.0881, 0.4687, 0.3515**, and the grayscale version is **30.4909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2155, 0.2505, 0.3089**, and **16.0300, 0.2148, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **34.8237, 0.2274, 0.2970**, and if you desaturate by 10%, it is **38.9289, 0.2471, 0.3077**.

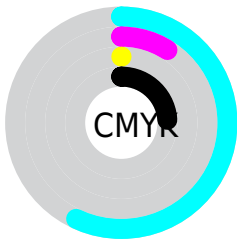
Distribution



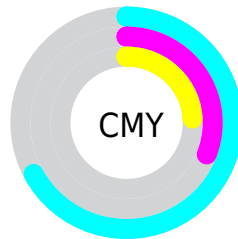
- Red (33%)
- Green (69%)
- Blue (76%)



- Red (33%)
- Yellow (52%)
- Blue (76%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)





- Cyan (67%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7399, 0.2364, 0.3024 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 36.7399, 0.2364, 0.3024 by changing the saturation by 10% instead.


 36.7399, 0.2364,
0.3024


 36.7399, 0.2364,
0.3024


332.1831, 0.2749,
0.3172


 25.0062, 0.2268,
0.2982


 70.1726, 0.2504,
0.3081


 16.0817, 0.2144,
0.2926


 92.6403, 0.2557,
0.3102

 9.5820, 0.1981,
0.2847


 119.4548, 0.2601,
0.3118

 5.1227, 0.1757,
0.2727

 151.0005, 0.2639,
0.3133

 2.3194, 0.1434,
0.2531

187.6618, 0.2672,
0.3145

 0.7840, 0.0558,
0.2256

229.8231, 0.2701,

 0.0000, 0.0000,

0.3155

0.0000

277.8687, 0.2727,
0.3164

■ 36.7399, 0.2364,
0.3024

■ 36.7399, 0.2364,
0.3024

■ 34.8237, 0.2274,
0.2970

■ 38.9289, 0.2471,
0.3077

■ 33.1553, 0.2203,
0.2915

■ 41.4053, 0.2593,
0.3128

■ 31.7116, 0.2151,
0.2860

■ 44.1872, 0.2727,
0.3176

■ 30.4591, 0.2117,
0.2806

■ 47.2902, 0.2871,
0.3221

■ 30.0990, 0.2108,
0.2789

■ 50.7285, 0.3021,
0.3263

■ 54.5156, 0.3174,
0.3301

■ 58.6642, 0.3328,
0.3335

■ 63.1862, 0.3480,
0.3366

■ 67.7596, 0.3615,
0.3393

Harmonies

Analogous

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



36.7399, 0.2554, 0.3432



36.7399, 0.2364, 0.3024



36.7399, 0.2362, 0.2731

Triad

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



36.7399, 0.2364, 0.3024



36.7399, 0.3320, 0.2830



36.7399, 0.3709, 0.4017

Complementary

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



36.7399, 0.2364, 0.3024



21.0881, 0.4687, 0.3515

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.



36.7399, 0.3947, 0.3791



36.7399, 0.2364, 0.3024



36.7399, 0.3720, 0.3121

Square

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



36.7399, 0.2364, 0.3024



36.7399, 0.2889, 0.2644



36.7399, 0.3956, 0.3464



36.7399, 0.3322, 0.4045

Rectangle

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



36.7399, 0.2364, 0.3024



36.7399, 0.2466, 0.2627



36.7399, 0.3956, 0.3464



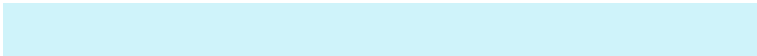
36.7399, 0.3810, 0.3959

Sweetspot

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



36.7413, 0.2364, 0.3024



84.5195, 0.2867, 0.3220



40.8952, 0.2955, 0.4849



17.8817, 0.2837, 0.3211



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.



36.7413, 0.2364, 0.3024



61.7043, 0.2258, 0.2958



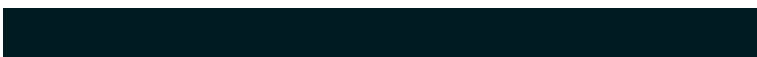
19.4957, 0.2167, 0.2102



11.1544, 0.2984, 0.3253



20.1130, 0.2110, 0.2796



0.9422, 0.2144, 0.2917

Inverse Universe

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



20.6661, 0.3397, 0.2132



31.3991, 0.3469, 0.1957



35.2468, 0.4211, 0.4217



10.2199, 0.3161, 0.3098



9.3127, 0.3638, 0.1778



0.4098, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 36.7399, 0.2364, 0.3024 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 36.7399, 0.2364, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

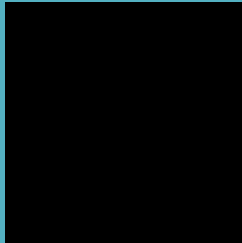
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7399, 0.2364, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 36.7399, 0.2364, 0.3024.



This preview shows how white text looks on a background with the Yxy color 36.7399, 0.2364, 0.3024.

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

36.7399, 0.2364, 0.3024

Protanopia

36.2796, 0.2922, 0.2979

Deuteranopia

36.4046, 0.2828, 0.2769



Tritanopia

36.6061, 0.2370, 0.3054

Trichromacy



Original Color

36.7399, 0.2364, 0.3024

Protanomaly

35.6856, 0.2667, 0.2977

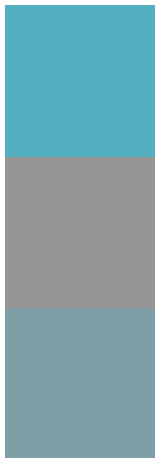
Deuteranomaly

35.8823, 0.2618, 0.2839

Tritanomaly

36.6503, 0.2365, 0.3039

Monochromacy



Original Color

36.7399, 0.2364, 0.3024

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.9851, 0.2770, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7399, 0.2364, 0.3024 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(83, 176, 193)` looks like.

```
.text, #text, p{  
    color:rgb(83, 176, 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(83, 176, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 176, 193) }
```

Border

The CSS property to change the border of an element to Yxy 36.7399, 0.2364, 0.3024 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(83, 176, 193) }
```

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

```
.border{ border-color:rgb(83, 176, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 176, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 176, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 176, 193);  
box-shadow:4px 4px 4px 4px rgb(83, 176,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7399, 0.2364, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 176, 193) }
```

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

```
.background{ background-color: rgb(83, 176,  
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