

Converting Colors

$Y_{xy}(34.4341, 0.2358, 0.2997)$

Have a look what the booklet for
Yxy(34.4341, 0.2358, 0.2997)
contains.

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Color

Yxy(34.5493, 0.2359, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	51ABBD
RGB	81, 171, 189
RGB Percent	32%, 67%, 74%
CMY	0.6819, 0.3295, 0.2588
CMYK	0.57, 0.10, 0.00, 0.26
HSL	190°, 45%, 53%
HSV	190°, 57%, 74%
XYZ	27.1492, 34.5493, 53.3891
YIQ	146.1420, -59.4180, -13.4820

Conversions

Conversions Part 2

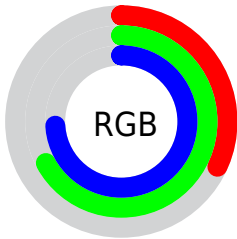
Format	Color
R _Y B	81, 130, 189
Decimal	5352381
CIE Lab	65.40, -21.56, -17.37
CIE LCh	65, 27.686, 218.863
Yxy	34.5493, 0.2359, 0.3002
Android (android.graphics.Color)	4283542461 (0xFF51ABBD)
YUV	146.1420, 21.1290, -57.1295
Hunter-Lab	58.7787, -20.4156, -12.7085

Details

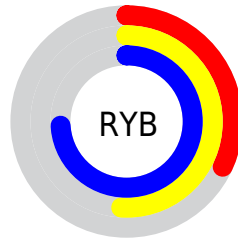
The Yxy color **34.5493, 0.2359, 0.3002** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3650, 0.4677, 0.3533**, and the grayscale version is **28.7473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0197, 0.2504, 0.3073**, and **14.9712, 0.2139, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **32.6488, 0.2268, 0.2943**, and if you desaturate by 10%, it is **36.7133, 0.2467, 0.3059**.

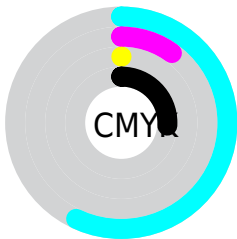
Distribution



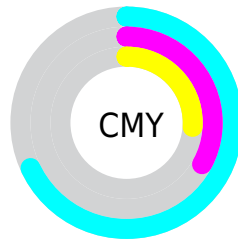
- Red (32%)
- Green (67%)
- Blue (74%)



- Red (32%)
- Yellow (51%)
- Blue (74%)



- Cyan (57%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)



- Cyan (68%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5493, 0.2359, 0.3002 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 34.5493, 0.2359, 0.3002 by changing the saturation by 10% instead.

34.5493, 0.2359,
0.3002

34.5493, 0.2359,
0.3002

322.5745, 0.2750,
0.3163

23.3159, 0.2260,
0.2957

66.7870, 0.2502,
0.3064

14.8269, 0.2132,
0.2895

88.5600, 0.2556,
0.3086

8.6980, 0.1963,
0.2807

114.6151, 0.2601,
0.3105

4.5447, 0.1727,
0.2674

145.3366, 0.2640,
0.3120

1.9827, 0.1386,
0.2454

181.1089, 0.2673,
0.3133

0.5974, 0.0148,
0.2123

222.3163, 0.2702,

0.0000, 0.0000,

0.3144

0.0000

269.3434, 0.2728,
0.3154

■ 34.5493, 0.2359,
0.3002

■ 34.5493, 0.2359,
0.3002

■ 32.6488, 0.2268,
0.2943

■ 36.7133, 0.2467,
0.3059

■ 30.9880, 0.2195,
0.2883

■ 39.1548, 0.2590,
0.3115

■ 29.5449, 0.2142,
0.2824

■ 41.8909, 0.2725,
0.3167

■ 28.2871, 0.2106,
0.2765

■ 44.9366, 0.2869,
0.3216

■ 27.9383, 0.2097,
0.2748

■ 48.3054, 0.3019,
0.3261

■ 52.0102, 0.3172,
0.3302

■ 56.0631, 0.3325,
0.3338

■ 60.4754, 0.3477,
0.3371

■ 65.2581, 0.3625,
0.3401

Harmonies

Analogous

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



34.5493, 0.2537, 0.3406



34.5493, 0.2359, 0.3002



34.5493, 0.2369, 0.2718

Triad

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



34.5493, 0.2359, 0.3002



34.5493, 0.3347, 0.2846



34.5493, 0.3688, 0.4025

Complementary

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



34.5493, 0.2359, 0.3002



20.3650, 0.4677, 0.3533

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.



34.5493, 0.3938, 0.3809



34.5493, 0.2359, 0.3002



34.5493, 0.3740, 0.3142

Square

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



34.5493, 0.2359, 0.3002



34.5493, 0.2914, 0.2652



34.5493, 0.3962, 0.3485



34.5493, 0.3296, 0.4038

Rectangle

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



34.5493, 0.2359, 0.3002



34.5493, 0.2480, 0.2622



34.5493, 0.3962, 0.3485



34.5493, 0.3792, 0.3971

Sweetspot

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



34.5506, 0.2359, 0.3002



80.3636, 0.2867, 0.3215



39.0578, 0.2945, 0.4820



17.0375, 0.2837, 0.3205



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.



34.5506, 0.2359, 0.3002



57.5244, 0.2244, 0.2925



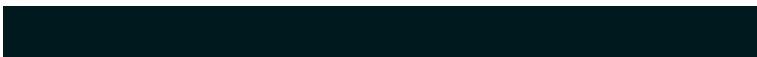
18.1691, 0.2160, 0.2070



10.5309, 0.2985, 0.3251



18.8910, 0.2099, 0.2755



0.8132, 0.2138, 0.2896

Inverse Universe

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



19.6613, 0.3415, 0.2146



29.5182, 0.3499, 0.1962



34.2135, 0.4197, 0.4239



9.6682, 0.3162, 0.3101



8.9367, 0.3676, 0.1799



0.3574, 0.3547, 0.1727

Previews

White Background



This preview shows how the Yxy color 34.5493, 0.2359, 0.3002 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 34.5493, 0.2359, 0.3002 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 34.5493, 0.2359, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 34.5493, 0.2359, 0.3002.



This preview shows how white text looks on a background with the Yxy color 34.5493, 0.2359, 0.3002.

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

34.5493, 0.2359, 0.3002

Protanopia

34.2793, 0.2900, 0.2957

Deuteranopia

34.0294, 0.2812, 0.2742



Tritanopia

34.7133, 0.2379, 0.3080

Trichromacy



Original Color

34.5493, 0.2359, 0.3002

Protanomaly

33.7716, 0.2657, 0.2970

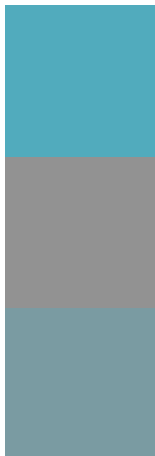
Deuteranomaly

33.6145, 0.2606, 0.2814

Tritanomaly

34.7557, 0.2374, 0.3064

Monochromacy



Original Color

34.5493, 0.2359, 0.3002

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1889, 0.2763, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5493, 0.2359, 0.3002 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(81, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(81, 171, 189)  
}
```

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(81, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 171, 189) }
```

Border

The CSS property to change the border of an element to Yxy 34.5493, 0.2359, 0.3002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

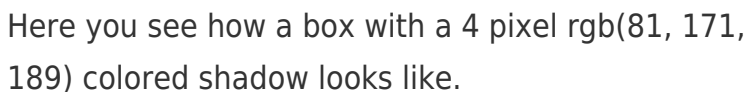
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 171, 189) }
```

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

```
.border{ border-color:rgb(81, 171, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(81, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 171, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 171, 189); box-shadow:4px 4px 4px 4px rgb(81, 171, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5493, 0.2359, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 171, 189) }
```

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

```
.background{ background-color: rgb(81, 171,  
189) }
```

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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