

Converting Colors

$Yxy(33.5199, 0.2436, 0.3002)$

Have a look what the booklet for
Yxy(33.5199, 0.2436, 0.3002)
contains.

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Color

Yxy(33.5199, 0.2436, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	5EA7B9
RGB	94, 167, 185
RGB Percent	37%, 65%, 73%
CMY	0.6310, 0.3451, 0.2745
CMYK	0.49, 0.10, 0.00, 0.27
HSL	192°, 39%, 55%
HSV	192°, 49%, 73%
XYZ	27.2000, 33.5199, 50.9386
YIQ	147.2250, -49.2860, -9.8780

Conversions

Conversions Part 2

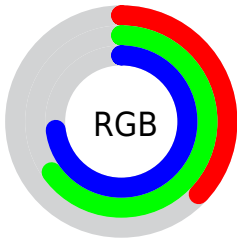
Format	Color
R_{YB}	94, 135, 185
Decimal	6203321
CIE _{Lab}	64.58, -17.83, -16.33
CIE _{LCh}	65, 24.180, 222.480
Yxy	33.5199, 0.2436, 0.3002
Android (android.graphics.Color)	4284393401 (0xFF5EA7B9)
YUV	147.2250, 18.6231, -46.6783
Hunter-Lab	57.8964, -17.4584, -11.6373

Details

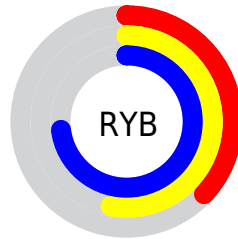
The Yxy color **33.5199, 0.2436, 0.3002** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.7413, 0.4342, 0.3547**, and the grayscale version is **29.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0775, 0.2568, 0.3062**, and **14.2675, 0.2225, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **31.3316, 0.2327, 0.2933**, and if you desaturate by 10%, it is **35.9833, 0.2560, 0.3069**.

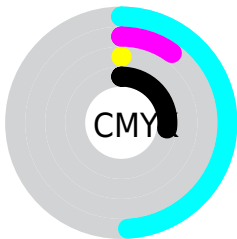
Distribution



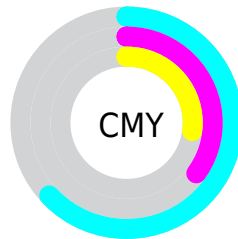
- Red (37%)
- Green (65%)
- Blue (73%)



- Red (37%)
- Yellow (53%)
- Blue (73%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (27%)





- Cyan (63%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5199, 0.2436, 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 33.5199, 0.2436, 0.3002 by changing the saturation by 10% instead.


 33.5199, 0.2436,
0.3002

 33.5199, 0.2436,
0.3002


317.9860, 0.2791,
0.3161


 22.5250, 0.2345,
0.2957


 65.1864, 0.2567,
0.3064


 14.2432, 0.2227,
0.2897


 86.6268, 0.2616,
0.3085

 8.2900, 0.2068,
0.2811


 112.3178, 0.2657,
0.3104

 4.2811, 0.1845,
0.2680

 142.6438, 0.2691,
0.3119

 1.8320, 0.1513,
0.2463

177.9892, 0.2722,
0.3132

 0.5070, 0.0190,
0.2072

218.7385, 0.2748,

 0.0000, 0.0000,

0.3143

0.0000

265.2759, 0.2771,
0.3153

■ 33.5199, 0.2436,
0.3002

■ 33.5199, 0.2436,
0.3002

■ 31.3316, 0.2327,
0.2933

■ 35.9833, 0.2560,
0.3069

■ 29.3973, 0.2235,
0.2862

■ 38.7337, 0.2695,
0.3132

■ 27.6986, 0.2162,
0.2790

■ 41.7867, 0.2839,
0.3190

■ 26.2126, 0.2108,
0.2718

■ 45.1555, 0.2988,
0.3245

■ 24.8977, 0.2070,
0.2647

■ 48.8526, 0.3140,
0.3294

■ 24.7873, 0.2067,
0.2641

■ 52.8897, 0.3293,
0.3339

■ 57.2779, 0.3443,
0.3379

■ 62.0277, 0.3590,
0.3414

■ 66.0691, 0.3686,
0.3447

Harmonies

Analogous

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



33.5199, 0.2577, 0.3349



33.5199, 0.2436, 0.3002



33.5199, 0.2465, 0.2764

Triad

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



33.5199, 0.2436, 0.3002



33.5199, 0.3369, 0.2923



33.5199, 0.3588, 0.3951

Complementary

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



33.5199, 0.2436, 0.3002



22.7413, 0.4342, 0.3547

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.



33.5199, 0.3827, 0.3783



33.5199, 0.2436, 0.3002



33.5199, 0.3701, 0.3197

Square

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



33.5199, 0.2436, 0.3002



33.5199, 0.2985, 0.2736



33.5199, 0.3872, 0.3505



33.5199, 0.3234, 0.3931

Rectangle

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



33.5199, 0.2436, 0.3002



33.5199, 0.2578, 0.2688



33.5199, 0.3872, 0.3505



33.5199, 0.3685, 0.3913

Sweetspot

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



33.5212, 0.2436, 0.3002



77.1109, 0.2896, 0.3212



38.2288, 0.2953, 0.4545



16.3572, 0.2865, 0.3200



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.5212, 0.2436, 0.3002



55.8053, 0.2319, 0.2927



20.0273, 0.2294, 0.2246



9.9000, 0.2985, 0.3244



16.9802, 0.2070, 0.2650



0.6768, 0.2120, 0.2833

Inverse Universe

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



21.1290, 0.3402, 0.2319



31.9967, 0.3481, 0.2139



34.9766, 0.4018, 0.4139



9.1314, 0.3167, 0.3109



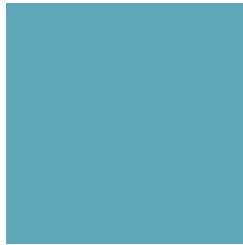
8.4965, 0.3776, 0.1854



0.3074, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 33.5199, 0.2436, 0.3002 looks on a white background.

Color Contrast Check

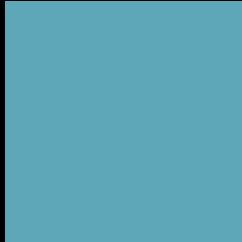
Large Text (above 18pt) WCAG AA × Fail

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 33.5199, 0.2436, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

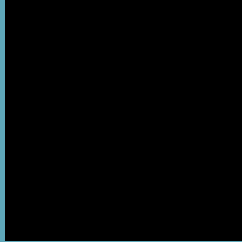
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

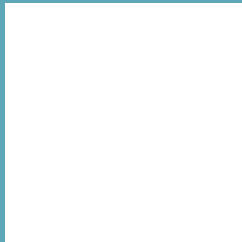
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5199, 0.2436, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 33.5199, 0.2436, 0.3002.



This preview shows how white text looks on a background with the Yxy color 33.5199, 0.2436, 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

33.5199, 0.2436, 0.3002

Protanopia

33.2924, 0.2906, 0.2967

Deuteranopia

33.0559, 0.2841, 0.2777



Tritanopia

33.6686, 0.2457, 0.3080

Trichromacy



Original Color

33.5199, 0.2436, 0.3002

Protanomaly

32.9169, 0.2706, 0.2969

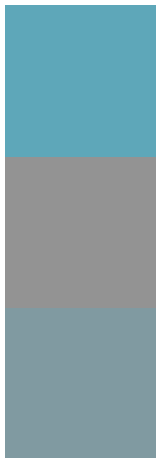
Deuteranomaly

32.6883, 0.2667, 0.2840

Tritanomaly

33.7098, 0.2451, 0.3064

Monochromacy



Original Color

33.5199, 0.2436, 0.3002

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2736, 0.2821, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5199, 0.2436, 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(94, 167, 185)` looks like.

```
.text, #text, p{  
    color:rgb(94, 167, 185)  
}
```

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(94, 167, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 167, 185) }
```

Border

The CSS property to change the border of an element to Yxy 33.5199, 0.2436, 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(94, 167, 185) }
```

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

```
.border{ border-color:rgb(94, 167, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 167, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(94, 167, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(94, 167, 185); box-shadow:4px 4px 4px 4px rgb(94, 167, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5199, 0.2436, 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(94, 167, 185) }
```

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

```
.background{ background-color: rgb(94, 167,  
185) }
```

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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