

Converting Colors

$Y_{xy}(33.9301, 0.2433, 0.3004)$

Have a look what the booklet for
Yxy(33.9301, 0.2433, 0.3004)
contains.

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Color

Yxy(33.9301, 0.2433, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	5EA8BA
RGB	94, 168, 186
RGB Percent	37%, 66%, 73%
CMY	0.6313, 0.3412, 0.2707
CMYK	0.49, 0.10, 0.00, 0.27
HSL	192°, 40%, 55%
HSV	192°, 49%, 73%
XYZ	27.4807, 33.9301, 51.5390
YIQ	147.9260, -49.8820, -10.0900

Conversions

Conversions Part 2

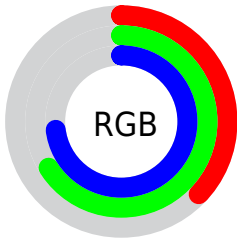
Format	Color
RYB	94, 135, 186
Decimal	6203578
CIELab	64.91, -18.11, -16.37
CIELCh	65, 24.417, 222.108
Yxy	33.9301, 0.2433, 0.3004
Android (android.graphics.Color)	4284393658 (0xFF5EA8BA)
YUV	147.9260, 18.7705, -47.2931
Hunter-Lab	58.2495, -17.7249, -11.6849

Details

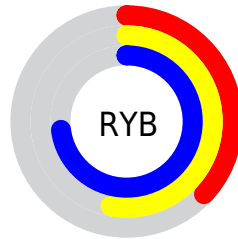
The Yxy color **33.9301, 0.2433, 0.3004** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8309, 0.4356, 0.3545**, and the grayscale version is **29.5200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6702, 0.2564, 0.3062**, and **14.5243, 0.2225, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **31.7403, 0.2325, 0.2936**, and if you desaturate by 10%, it is **36.3969, 0.2556, 0.3070**.

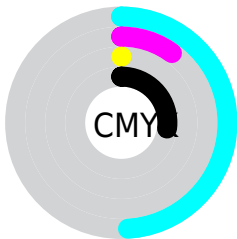
Distribution



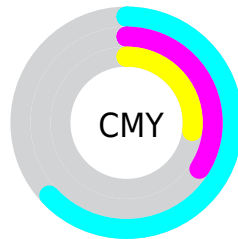
- Red (37%)
- Green (66%)
- Blue (73%)



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



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





- Cyan (63%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9301, 0.2433, 0.3004 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 33.9301, 0.2433, 0.3004 by changing the saturation by 10% instead.

 33.9301, 0.2433,
0.3004


 33.9301, 0.2433,
0.3004


319.8203, 0.2789,
0.3162


 22.8399, 0.2342,
0.2960


 65.8250, 0.2564,
0.3065

 14.4753, 0.2224,
0.2900


 87.3984, 0.2613,
0.3087

 8.4520, 0.2066,
0.2815


 113.2351, 0.2654,
0.3105

 4.3855, 0.1844,
0.2686

 143.7193, 0.2689,
0.3120

 1.8915, 0.1515,
0.2472

179.2356, 0.2719,
0.3133

 0.5432, 0.0288,
0.2107

220.1682, 0.2745,

 0.0000, 0.0000,

0.3144

0.0000

266.9016, 0.2768,
0.3153

■ 33.9301, 0.2433,
0.3004

■ 33.9301, 0.2433,
0.3004

■ 31.7403, 0.2325,
0.2936

■ 36.3969, 0.2556,
0.3070

■ 29.8059, 0.2234,
0.2866

■ 39.1526, 0.2691,
0.3132

■ 28.1084, 0.2162,
0.2795

■ 42.2131, 0.2834,
0.3190


■ 26.6242, 0.2109,
0.2724

■ 45.5919, 0.2984,
0.3244


■ 25.3097, 0.2072,
0.2655

■ 49.3016, 0.3136,
0.3293

 25.2384, 0.2070,
0.2651

 53.3539, 0.3288,
0.3337

 57.7603, 0.3439,
0.3376

 62.5312, 0.3586,
0.3411

 66.4432, 0.3677,
0.3445

Harmonies

Analogous

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



33.9301, 0.2577, 0.3354



33.9301, 0.2433, 0.3004



33.9301, 0.2460, 0.2763

Triad

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



33.9301, 0.2433, 0.3004



33.9301, 0.3365, 0.2918



33.9301, 0.3595, 0.3954

Complementary

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



33.9301, 0.2433, 0.3004



22.8309, 0.4356, 0.3545

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.



33.9301, 0.3833, 0.3783



33.9301, 0.2433, 0.3004



33.9301, 0.3701, 0.3192

Square

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



33.9301, 0.2433, 0.3004



33.9301, 0.2979, 0.2731



33.9301, 0.3875, 0.3503



33.9301, 0.3239, 0.3937

Rectangle

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



33.9301, 0.2433, 0.3004



33.9301, 0.2572, 0.2685



33.9301, 0.3875, 0.3503



33.9301, 0.3692, 0.3914

Sweetspot

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



33.9314, 0.2433, 0.3004



79.0370, 0.2896, 0.3213



38.6321, 0.2952, 0.4555



17.1246, 0.2865, 0.3202



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.



33.9314, 0.2433, 0.3004



57.3513, 0.2320, 0.2932



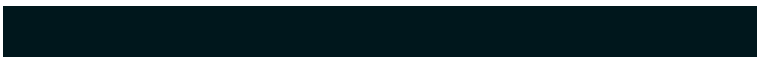
20.1258, 0.2288, 0.2238



9.9043, 0.2985, 0.3244



17.0908, 0.2072, 0.2660



0.6799, 0.2122, 0.2840

Inverse Universe

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



21.2725, 0.3401, 0.2310



32.7778, 0.3477, 0.2135



35.3091, 0.4025, 0.4144



9.1318, 0.3166, 0.3108



8.5077, 0.3766, 0.1849



0.3077, 0.3598, 0.1756

Previews

White Background



This preview shows how the Yxy color 33.9301, 0.2433, 0.3004 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 33.9301, 0.2433, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

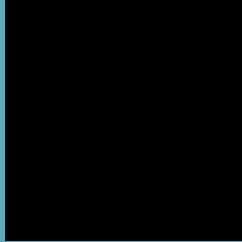
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9301, 0.2433, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 33.9301, 0.2433, 0.3004.



This preview shows how white text looks on a background with the Yxy color 33.9301, 0.2433, 0.3004.

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

33.9301, 0.2433, 0.3004

Protanopia

33.4293, 0.2907, 0.2954

Deuteranopia

33.5245, 0.2843, 0.2779



Tritanopia

34.0805, 0.2454, 0.3081

Trichromacy



Original Color

33.9301, 0.2433, 0.3004

Protanomaly

33.3833, 0.2708, 0.2971

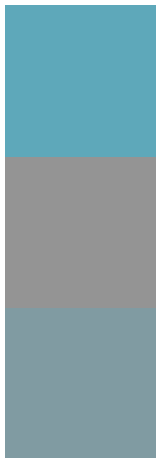
Deuteranomaly

33.0711, 0.2662, 0.2842

Tritanomaly

34.1220, 0.2448, 0.3065

Monochromacy



Original Color

33.9301, 0.2433, 0.3004

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6405, 0.2814, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9301, 0.2433, 0.3004 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, 168, 186)` looks like.

```
.text, #text, p{  
    color:rgb(94, 168, 186)  
}
```

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, 168, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 168, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.9301, 0.2433, 0.3004 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, 168, 186) }
```

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

```
.border{ border-color:rgb(94, 168, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 168, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 168, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 168, 186);  
box-shadow:4px 4px 4px 4px rgb(94, 168,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9301, 0.2433, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 168, 186) }
```

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

```
.background{ background-color: rgb(94, 168,  
186) }
```

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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