

Converting Colors

$Y_{xy}(33.6932, 0.2970, 0.3232)$

Have a look what the booklet for
Yxy(33.6932, 0.2970, 0.3232)
contains.

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Color

Yxy(33.5516, 0.2970, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	929FA3
RGB	146, 159, 163
RGB Percent	57%, 62%, 64%
CMY	0.4275, 0.3764, 0.3608
CMYK	0.10, 0.02, 0.00, 0.36
HSL	194°, 8%, 61%
HSV	194°, 10%, 64%
XYZ	30.8604, 33.5516, 39.4951
YIQ	155.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

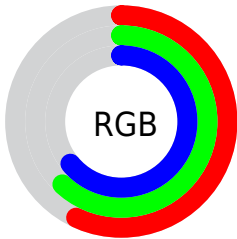
Format	Color
R_{YB}	146, 153, 163
Decimal	9609123
CIE _{Lab}	64.61, -3.78, -3.66
CIE _{LCh}	65, 5.261, 224.082
Yxy	33.5516, 0.2970, 0.3229
Android (android.graphics.Color)	4287799203 (0xFF929FA3)
YUV	155.5690, 3.6635, -8.3920
Hunter-Lab	57.9237, -6.2660, 0.1200

Details

The Yxy color **33.5516, 0.2970, 0.3229** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6634, 0.3300, 0.3350**, and the grayscale version is **33.0297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4345, 0.3000, 0.3244**, and **14.3057, 0.2919, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **30.8716, 0.2821, 0.3165**, and if you desaturate by 10%, it is **36.4879, 0.3121, 0.3288**.

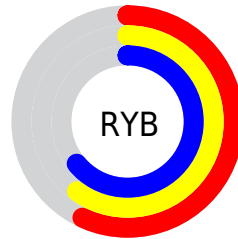
Distribution



Red (57%)

Green (62%)

Blue (64%)



Red (57%)

Yellow (60%)

Blue (64%)

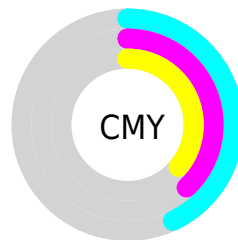


Cyan (10%)

Magenta (2%)

Yellow (0%)

Black (36%)



Cyan (43%)

Magenta (38%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5516, 0.2970, 0.3229 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 33.5516, 0.2970, 0.3229 by changing the saturation by 10% instead.

■ 33.5516, 0.2970,
0.3229

■ 33.5516, 0.2970,
0.3229

318.1280, 0.3053,
0.3262

■ 22.5493, 0.2948,
0.3220

■ 65.2358, 0.3001,
0.3241

■ 14.2611, 0.2919,
0.3208

■ 86.6865, 0.3012,
0.3246

■ 8.3025, 0.2878,
0.3191

112.3887, 0.3022,
0.3250

■ 4.2891, 0.2818,
0.3166

142.7270, 0.3030,
0.3253

■ 1.8366, 0.2720,
0.3122

178.0857, 0.3037,
0.3256

■ 0.5098, 0.2290,
0.2976

218.8492, 0.3043,

■ 0.0000, 0.0000,

0.3258

0.0000

265.4018, 0.3048,
0.3260

■ 33.5516, 0.2970,
0.3229

■ 33.5516, 0.2970,
0.3229

■ 30.8716, 0.2821,
0.3165

■ 36.4879, 0.3121,
0.3288

■ 28.4343, 0.2677,
0.3095

■ 39.6852, 0.3271,
0.3340

■ 26.2313, 0.2541,
0.3020

■ 43.1530, 0.3419,
0.3388

■ 24.2518, 0.2416,
0.2941

■ 46.8995, 0.3563,
0.3430

■ 22.4840, 0.2305,
0.2859

■ 50.9320, 0.3701,
0.3467

■ 20.9150, 0.2210,
0.2775

■ 55.2580, 0.3834,
0.3499

■ 19.5300, 0.2133,
0.2689

■ 58.9079, 0.3917,
0.3531

■ 18.3120, 0.2076,
0.2604

■ 60.5348, 0.3903,
0.3570

■ 17.2652, 0.2034,
0.2523

■ 62.2051, 0.3888,
0.3610

Harmonies

Analogous

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



33.5516, 0.3002, 0.3302



33.5516, 0.2970, 0.3229



33.5516, 0.2979, 0.3174

Triad

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



33.5516, 0.2970, 0.3229



33.5516, 0.3186, 0.3210



33.5516, 0.3227, 0.3433

Complementary

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



33.5516, 0.2970, 0.3229



31.6634, 0.3300, 0.3350

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.



33.5516, 0.3277, 0.3405



33.5516, 0.2970, 0.3229



33.5516, 0.3254, 0.3277

Square

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



33.5516, 0.2970, 0.3229



33.5516, 0.3103, 0.3164



33.5516, 0.3287, 0.3348



33.5516, 0.3150, 0.3421

Rectangle

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



33.5516, 0.2970, 0.3229



33.5516, 0.3008, 0.3154



33.5516, 0.3287, 0.3348



33.5516, 0.3247, 0.3428

Sweetspot

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



33.5530, 0.2970, 0.3229



63.9314, 0.3081, 0.3273



34.5015, 0.3081, 0.3491



14.2643, 0.3069, 0.3268



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.5530, 0.2970, 0.3229



58.7042, 0.2928, 0.3212



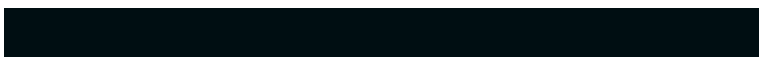
30.7333, 0.2969, 0.3098



7.7287, 0.2987, 0.3236



13.4915, 0.2036, 0.2531



0.3484, 0.2121, 0.2837

Inverse Universe

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



30.8428, 0.3177, 0.3098



52.7001, 0.3192, 0.3044



34.4702, 0.3286, 0.3475



7.1737, 0.3171, 0.3119



7.2061, 0.3892, 0.1918



0.1580, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 33.5516, 0.2970, 0.3229 looks on a white background.

Color Contrast Check

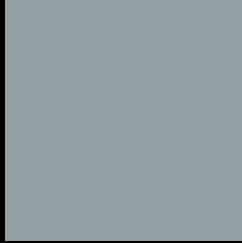
Large Text (above 18pt) WCAG AA × Fail

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 33.5516, 0.2970, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

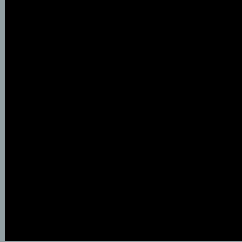
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

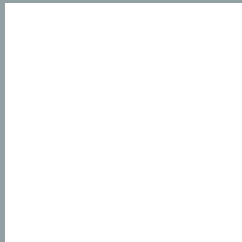
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5516, 0.2970, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 33.5516, 0.2970, 0.3229.



This preview shows how white text looks on a background with the Yxy color 33.5516, 0.2970, 0.3229.

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

33.5516, 0.2970, 0.3229

Protanopia

33.6192, 0.3101, 0.3216

Deuteranopia

33.4616, 0.3175, 0.3118



Tritanopia

33.5590, 0.2920, 0.3110

Trichromacy



Original Color

33.5516, 0.2970, 0.3229

Protanomaly

33.5926, 0.3054, 0.3215

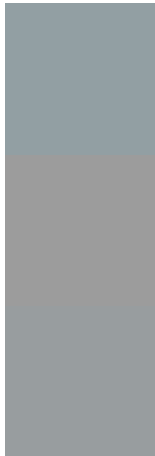
Deuteranomaly

33.5966, 0.3094, 0.3158

Tritanomaly

33.4468, 0.2945, 0.3154

Monochromacy



Original Color

33.5516, 0.2970, 0.3229

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.2925, 0.3061, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5516, 0.2970, 0.3229 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(146, 159, 163)` looks like.

```
.text, #text, p{  
    color:rgb(146, 159, 163)  
}
```

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(146, 159, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 159, 163) }
```

Border

The CSS property to change the border of an element to Yxy 33.5516, 0.2970, 0.3229 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(146, 159, 163) }
```

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

```
.border{ border-color:rgb(146, 159, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 159, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 159, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 159, 163);  
box-shadow:4px 4px 4px 4px rgb(146, 159,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5516, 0.2970, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 159, 163) }
```

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

```
.background{ background-color: rgb(146,  
159, 163) }
```

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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