

Converting Colors

$Y_{xy}(33.3292, 0.3038, 0.3186)$

Have a look what the booklet for
Yxy(33.3292, 0.3038, 0.3186)
contains.

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Color

Yxy(33.1936, 0.3036, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	999CA3
RGB	153, 156, 163
RGB Percent	60%, 61%, 64%
CMY	0.3998, 0.3883, 0.3608
CMYK	0.06, 0.04, 0.00, 0.36
HSL	222°, 5%, 62%
HSV	222°, 6%, 64%
XYZ	31.6407, 33.1936, 39.3842
YIQ	155.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

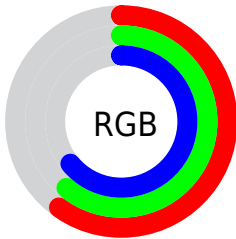
Format	Color
R_{YB}	153, 155, 163
Decimal	10067107
CIE Lab	64.32, 0.33, -4.02
CIE LCh	64, 4.036, 274.737
Yxy	33.1936, 0.3036, 0.3185
Android (android.graphics.Color)	4288257187 (0xFF999CA3)
YUV	155.9010, 3.4998, -2.5442
Hunter-Lab	57.6139, -2.7946, -0.2002

Details

The Yxy color **33.1936, 0.3036, 0.3185** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2404, 0.3219, 0.3393**, and the grayscale version is **33.1875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4205, 0.3051, 0.3199**, and **14.0756, 0.3010, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **28.0492, 0.2877, 0.2996**, and if you desaturate by 10%, it is **38.9203, 0.3183, 0.3353**.

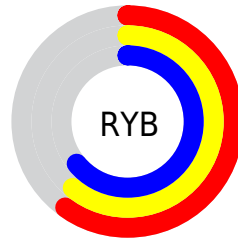
Distribution



Red (60%)

Green (61%)

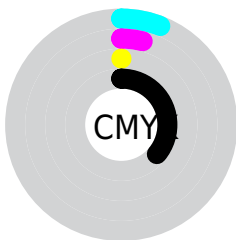
Blue (64%)



Red (60%)

Yellow (61%)

Blue (64%)

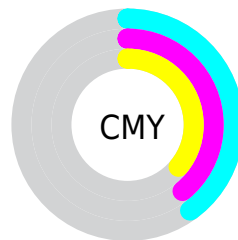


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (36%)



Cyan (40%)

Magenta (39%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1936, 0.3036, 0.3185 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 33.1936, 0.3036, 0.3185 by changing the saturation by 10% instead.

■ 33.1936, 0.3036,
0.3185

■ 33.1936, 0.3036,
0.3185

316.5212, 0.3084,
0.3240

■ 22.2748, 0.3023,
0.3170

■ 64.6777, 0.3054,
0.3206

■ 14.0590, 0.3006,
0.3150

■ 86.0117, 0.3061,
0.3214

■ 8.1617, 0.2982,
0.3123

111.5863, 0.3066,
0.3220

■ 4.1986, 0.2946,
0.3082

141.7858, 0.3071,
0.3225

■ 1.7853, 0.2887,
0.3014

176.9947, 0.3075,
0.3230

■ 0.4780, 0.2655,
0.2744

217.5973, 0.3078,

■ 0.0000, 0.0000,

0.3234

0.0000

263.9780, 0.3081,
0.3237

■ 33.1936, 0.3036,
0.3185

■ 33.1936, 0.3036,
0.3185

■ 28.0492, 0.2877,
0.2996

■ 38.9203, 0.3183,
0.3353

■ 23.4642, 0.2708,
0.2785

■ 45.2430, 0.3318,
0.3501

■ 19.4203, 0.2531,
0.2554

■ 52.1802, 0.3440,
0.3630

■ 15.8966, 0.2351,
0.2305

■ 59.7480, 0.3551,
0.3743

■ 12.8705, 0.2173,
0.2044

■ 67.9623, 0.3651,
0.3842

■ 10.3179, 0.2006,
0.1780

■ 76.8382, 0.3741,
0.3927

■ 8.2125, 0.1857,
0.1523

■ 84.0163, 0.3733,
0.4026

■ 6.5247, 0.1735,
0.1285

■ 90.8362, 0.3695,
0.4128

■ 5.2182, 0.1644,
0.1078

■ 95.4240, 0.3672,
0.4191

Harmonies

Analogous

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



33.1936, 0.3007, 0.3212



33.1936, 0.3036, 0.3185



33.1936, 0.3089, 0.3186

Triad

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



33.1936, 0.3036, 0.3185



33.1936, 0.3246, 0.3318



33.1936, 0.3101, 0.3368

Complementary

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



33.1936, 0.3036, 0.3185



35.2404, 0.3219, 0.3393

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.



33.1936, 0.3164, 0.3397



33.1936, 0.3036, 0.3185



33.1936, 0.3249, 0.3367

Square

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



33.1936, 0.3036, 0.3185



33.1936, 0.3210, 0.3263



33.1936, 0.3219, 0.3396



33.1936, 0.3044, 0.3317

Rectangle

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



33.1936, 0.3036, 0.3185



33.1936, 0.3132, 0.3202



33.1936, 0.3219, 0.3396



33.1936, 0.3122, 0.3380

Sweetspot

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



33.1950, 0.3036, 0.3185



63.5024, 0.3097, 0.3256



35.5050, 0.3060, 0.3334



14.2889, 0.3099, 0.3258



82.7571, 0.3127, 0.3290



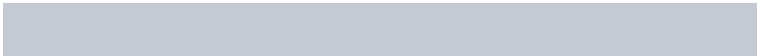
14.7319, 0.3127, 0.3290

Same Dimension

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



33.1950, 0.3036, 0.3185



58.4660, 0.3020, 0.3167



32.4109, 0.3056, 0.3141



7.4111, 0.3016, 0.3161



3.7943, 0.1617, 0.1021



0.1582, 0.1816, 0.1736

Inverse Universe

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



32.9810, 0.3199, 0.3247



58.0305, 0.3212, 0.3239



36.0688, 0.3196, 0.3436



7.3539, 0.3216, 0.3237



6.2272, 0.5726, 0.2928



0.1388, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 33.1936, 0.3036, 0.3185 looks on a white background.

Color Contrast Check

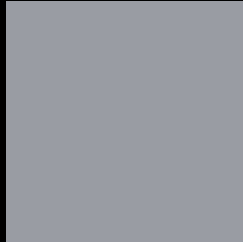
Large Text (above 18pt) WCAG AA × Fail

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 33.1936, 0.3036, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

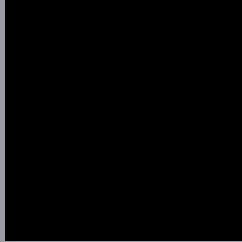
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

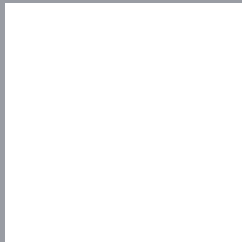
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1936, 0.3036, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 33.1936, 0.3036, 0.3185.



This preview shows how white text looks on a background with the Yxy color 33.1936, 0.3036, 0.3185.

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

33.1936, 0.3036, 0.3185

Protanopia

33.2194, 0.3083, 0.3186

Deuteranopia

33.0290, 0.3166, 0.3103



Tritanopia

33.1399, 0.3001, 0.3097

Trichromacy



Original Color

33.1936, 0.3036, 0.3185

Protanomaly

33.1192, 0.3074, 0.3186

Deuteranomaly

33.1442, 0.3115, 0.3129

Tritanomaly

33.0659, 0.3019, 0.3126

Monochromacy



Original Color

33.1936, 0.3036, 0.3185

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.2487, 0.3090, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1936, 0.3036, 0.3185 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(153, 156, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 156, 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(153, 156, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 156, 163) }
```

Border

The CSS property to change the border of an element to Yxy 33.1936, 0.3036, 0.3185 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(153, 156, 163) }
```

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

```
.border{ border-color:rgb(153, 156, 163) }
```

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

Here you see how a box with a 4 pixel rgb(153, 156, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 156, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 156, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 156,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1936, 0.3036, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 156, 163) }
```

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

```
.background{ background-color: rgb(153,  
156, 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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