

Converting Colors

Yxy(36.6440, 0.2867, 0.3168)

Have a look what the booklet for
Yxy(36.6440, 0.2867, 0.3168)
contains.

Yxy(36.7523, 0.2868, 0.3171)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7523, 0.2868, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	91A7AF
RGB	145, 167, 175
RGB Percent	57%, 65%, 69%
CMY	0.4312, 0.3451, 0.3137
CMYK	0.17, 0.05, 0.00, 0.31
HSL	196°, 16%, 63%
HSV	196°, 17%, 69%
XYZ	33.2405, 36.7523, 45.9085
YIQ	161.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

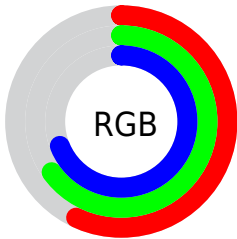
Format	Color
RYB	145, 158, 175
Decimal	9545647
CIELab	67.09, -5.88, -6.71
CIELCh	67, 8.920, 228.793
Yxy	36.7523, 0.2868, 0.3171
Android (android.graphics.Color)	4287735727 (0xFF91A7AF)
YUV	161.3340, 6.7373, -14.3249
Hunter-Lab	60.6237, -8.2183, -2.4620

Details


The Yxy color **36.7523, 0.2868, 0.3171** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9676, 0.3429, 0.3406**, and the grayscale version is **35.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1542, 0.2913, 0.3189**, and **16.0712, 0.2782, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **33.5976, 0.2720, 0.3093**, and if you desaturate by 10%, it is **40.2173, 0.3019, 0.3243**.

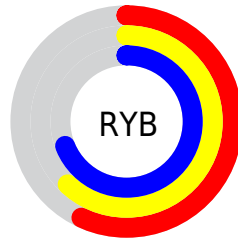
Distribution



 Red (57%)

 Green (65%)

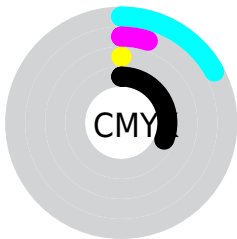
 Blue (69%)




 Red (57%)

 Yellow (62%)

 Blue (69%)

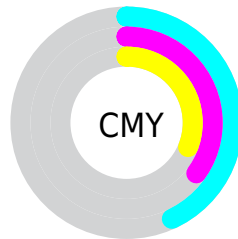



 Cyan (17%)

 Magenta (5%)

 Yellow (0%)

 Black (31%)



 Cyan (43%)

 Magenta (35%)

 Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7523, 0.2868, 0.3171 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 36.7523, 0.2868, 0.3171 by changing the saturation by 10% instead.

■ 36.7523, 0.2868,
0.3171

■ 36.7523, 0.2868,
0.3171

■ 332.2369, 0.3002,
0.3234

■ 25.0158, 0.2833,
0.3154

■ 70.1917, 0.2918,
0.3195

■ 16.0888, 0.2788,
0.3132

■ 92.6633, 0.2936,
0.3203

■ 9.5870, 0.2726,
0.3100

■ 119.4820, 0.2951,
0.3211

■ 5.1260, 0.2636,
0.3054

■ 151.0323, 0.2964,
0.3217

■ 2.3214, 0.2495,
0.2978

■ 187.6986, 0.2976,
0.3222

■ 0.7850, 0.2185,
0.2846

■ 229.8651, 0.2986,

■ 0.0000, 0.0000,

0.3227

0.0000

277.9164, 0.2994,
0.3230

■ 36.7523, 0.2868,
0.3171

■ 36.7523, 0.2868,
0.3171

■ 33.5976, 0.2720,
0.3093

■ 40.2173, 0.3019,
0.3243

■ 30.7367, 0.2577,
0.3008

■ 43.9991, 0.3171,
0.3308

■ 28.1585, 0.2444,
0.2918

■ 48.1097, 0.3320,
0.3367

■ 25.8492, 0.2323,
0.2823

■ 52.5590, 0.3466,
0.3419

■ 23.7937, 0.2218,
0.2726

■ 57.3566, 0.3606,
0.3465

■ 21.9748, 0.2131,
0.2626

■ 62.5114, 0.3741,
0.3505

■ 20.3729, 0.2063,
0.2527

■ 65.5725, 0.3767,
0.3550

■ 18.9593, 0.2013,
0.2428

■ 67.7742, 0.3752,
0.3598

■ 18.5727, 0.2000,
0.2400

■ 70.0430, 0.3738,
0.3645

Harmonies

Analogous

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



36.7523, 0.2910, 0.3289



36.7523, 0.2868, 0.3171



36.7523, 0.2893, 0.3089

Triad

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



36.7523, 0.2868, 0.3171



36.7523, 0.3243, 0.3174



36.7523, 0.3272, 0.3527

Complementary

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



36.7523, 0.2868, 0.3171



33.9676, 0.3429, 0.3406

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.



36.7523, 0.3365, 0.3490



36.7523, 0.2868, 0.3171



36.7523, 0.3349, 0.3285

Square

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



36.7523, 0.2868, 0.3171



36.7523, 0.3108, 0.3093



36.7523, 0.3394, 0.3400



36.7523, 0.3142, 0.3499

Rectangle

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



36.7523, 0.2868, 0.3171



36.7523, 0.2946, 0.3064



36.7523, 0.3394, 0.3400



36.7523, 0.3309, 0.3522

Sweetspot

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



36.7538, 0.2868, 0.3171



73.3453, 0.3050, 0.3257



38.9921, 0.3042, 0.3620



16.2011, 0.3040, 0.3252



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.7538, 0.2868, 0.3171



63.3492, 0.2805, 0.3139



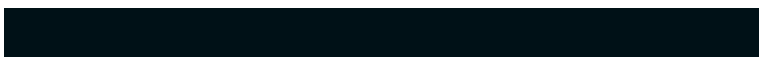
31.5884, 0.2857, 0.2944



8.7037, 0.2986, 0.3228



13.4026, 0.2003, 0.2411



0.4565, 0.2086, 0.2708

Inverse Universe

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



32.1700, 0.3225, 0.2982



53.5441, 0.3253, 0.2903



39.1762, 0.3395, 0.3614



8.1109, 0.3177, 0.3125



7.6560, 0.4011, 0.1984



0.2214, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 36.7523, 0.2868, 0.3171 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 36.7523, 0.2868, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

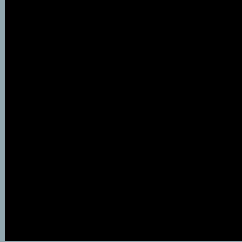
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

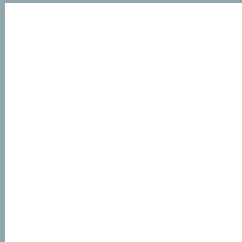
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7523, 0.2868, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 36.7523, 0.2868, 0.3171.



This preview shows how white text looks on a background with the Yxy color 36.7523, 0.2868, 0.3171.

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

36.7523, 0.2868, 0.3171

Protanopia

36.6057, 0.3050, 0.3147

Deuteranopia

36.5123, 0.3101, 0.3028



Tritanopia

36.6787, 0.2837, 0.3085

Trichromacy



Original Color

36.7523, 0.2868, 0.3171

Protanomaly

36.6360, 0.2978, 0.3160

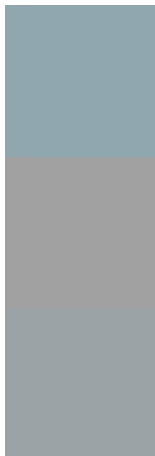
Deuteranomaly

36.4109, 0.3016, 0.3077

Tritanomaly

36.5978, 0.2852, 0.3114

Monochromacy



Original Color

36.7523, 0.2868, 0.3171

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9161, 0.3027, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7523, 0.2868, 0.3171 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(145, 167, 175)` looks like.

```
.text, #text, p{  
    color:rgb(145, 167, 175)  
}
```

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(145, 167, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 167, 175) }
```

Border

The CSS property to change the border of an element to Yxy 36.7523, 0.2868, 0.3171 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(145, 167, 175) }
```

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

```
.border{ border-color:rgb(145, 167, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 167, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 167, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 167, 175);  
box-shadow:4px 4px 4px 4px rgb(145, 167,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7523, 0.2868, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 167, 175) }
```

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

```
.background{ background-color: rgb(145,  
167, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor