

Converting Colors

$Yxy(36.9127, 0.2765, 0.3611)$

Have a look what the booklet for
Yxy(36.9127, 0.2765, 0.3611)
contains.

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Color

Yxy(36.9617, 0.2767, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	71B09C
RGB	113, 176, 156
RGB Percent	44%, 69%, 61%
CMY	0.5571, 0.3098, 0.3882
CMYK	0.36, 0.00, 0.11, 0.31
HSL	161°, 29%, 57%
HSV	161°, 36%, 69%
XYZ	28.3305, 36.9617, 37.0948
YIQ	154.8830, -31.1280, -19.5760

Conversions

Conversions Part 2

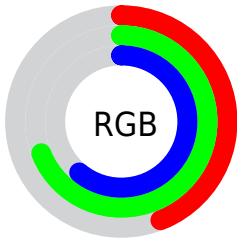
Format	Color
RYB	113, 150, 176
Decimal	7450780
CIELab	67.25, -24.83, 3.85
CIElCh	67, 25.129, 171.193
Yxy	36.9617, 0.2767, 0.3610
Android (android.graphics.Color)	4285640860 (0xFF71B09C)
YUV	154.8830, 0.5507, -36.7314
Hunter-Lab	60.7961, -23.2138, 6.3815

Details

The Yxy color **36.9617, 0.2767, 0.3610** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.7208, 0.3697, 0.2996**, and the grayscale version is **32.7269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5819, 0.2841, 0.3553**, and **16.1779, 0.2650, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **35.7227, 0.2687, 0.3717**, and if you desaturate by 10%, it is **38.4388, 0.2859, 0.3510**.

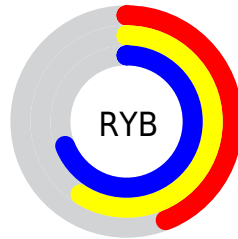
Distribution



Red (44%)

Green (69%)

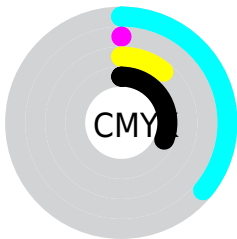
Blue (61%)



Red (44%)

Yellow (59%)

Blue (69%)

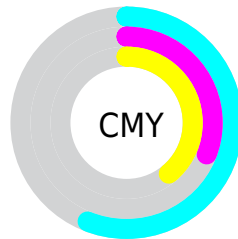


Cyan (36%)

Magenta (0%)

Yellow (11%)

Black (31%)



Cyan (56%)


Magenta (31%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9617, 0.2767, 0.3610 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 36.9617, 0.2767, 0.3610 by changing the saturation by 10% instead.

 36.9617, 0.2767,
0.3610


 36.9617, 0.2767,
0.3610


333.1447, 0.2955,
0.3441

 25.1778, 0.2717,
0.3655


 70.5139, 0.2837,
0.3546


 16.2096, 0.2652,
0.3716


 93.0510, 0.2863,
0.3523

 9.6726, 0.2562,
0.3800


 119.9413, 0.2885,
0.3504

 5.1824, 0.2429,
0.3925

 151.5692, 0.2903,
0.3487

 2.3547, 0.2218,
0.4130

188.3191, 0.2919,
0.3473

 0.8024, 0.1001,
0.5132

230.5754, 0.2932,

 0.0000, 0.0000,

0.3461

0.0000

278.7224, 0.2944,
0.3450

■ 36.9617, 0.2767,
0.3610

■ 36.9617, 0.2767,
0.3610

■ 35.7227, 0.2687,
0.3717

■ 38.4388, 0.2859,
0.3510

■ 34.7039, 0.2620,
0.3830

■ 40.1617, 0.2959,
0.3419

■ 33.8924, 0.2571,
0.3947


■ 42.1431, 0.3064,
0.3335


■ 33.2716, 0.2540,
0.4067


■ 44.3938, 0.3173,
0.3260

■ 32.8225, 0.2529,
0.4187

■ 46.9237, 0.3282,
0.3192

 32.5209, 0.2537,
0.4306

 49.7424, 0.3391,
0.3133

 32.4163, 0.2543,
0.4355

 52.8589, 0.3498,
0.3080

 56.2818, 0.3602,
0.3034

 56.7848, 0.3563,
0.2978

Harmonies

Analogous

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



36.9617, 0.3123, 0.3889



36.9617, 0.2767, 0.3610



36.9617, 0.2516, 0.3241

Triad

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



36.9617, 0.2767, 0.3610



36.9617, 0.2741, 0.2675



36.9617, 0.3886, 0.3594

Complementary

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



36.9617, 0.2767, 0.3610



22.7208, 0.3697, 0.2996

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.



36.9617, 0.3775, 0.3285



36.9617, 0.2767, 0.3610



36.9617, 0.3094, 0.2776

Square

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



36.9617, 0.2767, 0.3610



36.9617, 0.2502, 0.2719



36.9617, 0.3478, 0.2994



36.9617, 0.3779, 0.3850

Rectangle

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



36.9617, 0.2767, 0.3610



36.9617, 0.2435, 0.3013



36.9617, 0.3478, 0.2994



36.9617, 0.3873, 0.3493

Sweetspot

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



36.9632, 0.2767, 0.3610



74.4358, 0.3007, 0.3379



37.3124, 0.3258, 0.4291



16.0305, 0.2993, 0.3390



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.



36.9632, 0.2767, 0.3610



65.2124, 0.2702, 0.3694



33.7334, 0.2609, 0.3123



9.5847, 0.3027, 0.3363



23.7913, 0.2540, 0.4343



0.7586, 0.2448, 0.4012

Inverse Universe

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



22.7208, 0.3697, 0.2996



35.5363, 0.3884, 0.2931



24.7012, 0.3913, 0.3449



8.5482, 0.3239, 0.3218



6.9902, 0.5664, 0.2894



0.2308, 0.4862, 0.2452

Previews

White Background



This preview shows how the Yxy color 36.9617, 0.2767, 0.3610 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 36.9617, 0.2767, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

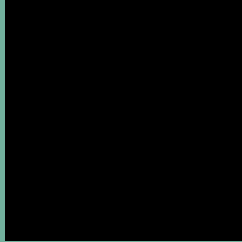
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9617, 0.2767, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 36.9617, 0.2767, 0.3610.

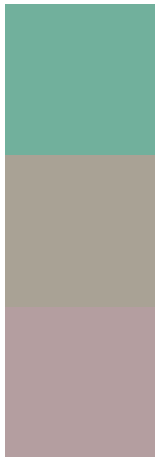


This preview shows how white text looks on a background with the Yxy color 36.9617, 0.2767, 0.3610.

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

36.9617, 0.2767, 0.3610

Protanopia

36.4456, 0.3312, 0.3478

Deuteranopia

36.6951, 0.3325, 0.3263



Tritanopia

37.0433, 0.2606, 0.3078

Trichromacy



Original Color

36.9617, 0.2767, 0.3610

Protanomaly

36.2940, 0.3089, 0.3517

Deuteranomaly

36.4814, 0.3095, 0.3378

Tritanomaly

36.7642, 0.2660, 0.3258

Monochromacy



Original Color

36.9617, 0.2767, 0.3610

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1364, 0.2983, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9617, 0.2767, 0.3610 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(113, 176, 156)` looks like.

```
.text, #text, p{  
    color:rgb(113, 176, 156)  
}
```

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(113, 176, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 176, 156) }
```

Border

The CSS property to change the border of an element to Yxy 36.9617, 0.2767, 0.3610 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(113, 176, 156) }
```

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

```
.border{ border-color:rgb(113, 176, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 176, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 176, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 176, 156);  
box-shadow:4px 4px 4px 4px rgb(113, 176,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9617, 0.2767, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 176, 156) }
```

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

```
.background{ background-color: rgb(113,  
176, 156) }
```

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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