

Converting Colors

$Yxy(36.9623, 0.2923, 0.3764)$

Have a look what the booklet for
Yxy(36.9623, 0.2923, 0.3764)
contains.

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Color

Yxy(36.9152, 0.2921, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	7BAF91
RGB	123, 175, 145
RGB Percent	48%, 69%, 57%
CMY	0.5179, 0.3137, 0.4314
CMYK	0.30, 0.00, 0.17, 0.31
HSL	145°, 25%, 58%
HSV	145°, 30%, 69%
XYZ	28.6019, 36.9152, 32.4012
YIQ	156.0320, -21.3620, -20.3540

Conversions

Conversions Part 2

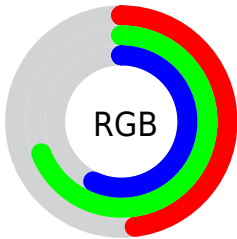
Format	Color
RYB	123, 160, 175
Decimal	8105873
CIELab	67.21, -23.62, 9.95
CIElCh	67, 25.627, 157.163
Yxy	36.9152, 0.2921, 0.3770
Android (android.graphics.Color)	4286295953 (0xFF7BAF91)
YUV	156.0320, -5.4388, -28.9691
Hunter-Lab	60.7579, -22.2969, 10.9121

Details

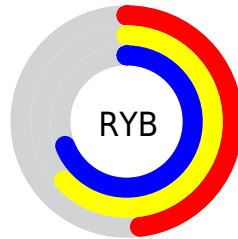
The Yxy color **36.9152, 0.2921, 0.3770** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.5657, 0.3408, 0.2856**, and the grayscale version is **33.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6225, 0.2965, 0.3673**, and **16.1230, 0.2843, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **35.4425, 0.2861, 0.3965**, and if you desaturate by 10%, it is **38.6494, 0.2987, 0.3592**.

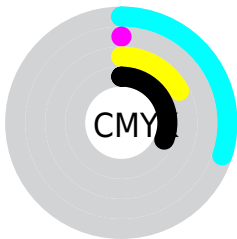
Distribution



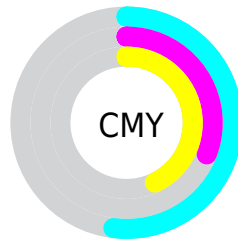
- Red (48%)
- Green (69%)
- Blue (57%)



- Red (48%)
- Yellow (63%)
- Blue (69%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (31%)





- Cyan (52%)
- Magenta (31%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9152, 0.2921, 0.3770 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 36.9152, 0.2921, 0.3770 by changing the saturation by 10% instead.

 36.9152, 0.2921,
0.3770


 36.9152, 0.2921,
0.3770


332.9432, 0.3032,
0.3513


 25.1418, 0.2890,
0.3840


 70.4423, 0.2963,
0.3672

 16.1828, 0.2849,
0.3935


 92.9649, 0.2979,
0.3637

 9.6536, 0.2791,
0.4069


 119.8394, 0.2991,
0.3607

 5.1699, 0.2703,
0.4271

151.4500, 0.3002,
0.3582

 2.3473, 0.2553,
0.4613

188.1814, 0.3011,
0.3561

 0.7986, 0.1579,
0.6913

230.4178, 0.3019,

 0.0000, 0.0000,

0.3543

0.0000

278.5436, 0.3026,
0.3527

■ 36.9152, 0.2921,
0.3770

■ 36.9152, 0.2921,
0.3770

■ 35.4425, 0.2861,
0.3965

■ 38.6494, 0.2987,
0.3592

■ 34.2136, 0.2811,
0.4173

■ 40.6524, 0.3057,
0.3431

■ 33.2158, 0.2773,
0.4392

■ 42.9372, 0.3129,
0.3287

■ 32.4335, 0.2751,
0.4616

■ 45.5144, 0.3200,
0.3159

■ 31.8489, 0.2747,
0.4837

■ 48.3940, 0.3270,
0.3047

■ 31.4412, 0.2761,
0.5048

■ 51.5857, 0.3338,
0.2948

■ 31.1681, 0.2791,
0.5244

■ 55.0986, 0.3402,
0.2862

■ 31.1620, 0.2791,
0.5249

■ 57.4018, 0.3398,
0.2776

■ 57.9713, 0.3314,
0.2680

Harmonies

Analogous

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



36.9152, 0.3305, 0.3969



36.9152, 0.2921, 0.3770



36.9152, 0.2606, 0.3418

Triad

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



36.9152, 0.2921, 0.3770



36.9152, 0.2601, 0.2665



36.9152, 0.3876, 0.3454

Complementary

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



36.9152, 0.2921, 0.3770



25.5657, 0.3408, 0.2856

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.



36.9152, 0.3665, 0.3140



36.9152, 0.2921, 0.3770



36.9152, 0.2914, 0.2701

Square

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



36.9152, 0.2921, 0.3770



36.9152, 0.2431, 0.2783



36.9152, 0.3305, 0.2872



36.9152, 0.3869, 0.3750

Rectangle

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



36.9152, 0.2921, 0.3770



36.9152, 0.2471, 0.3167



36.9152, 0.3305, 0.2872



36.9152, 0.3828, 0.3348

Sweetspot

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



36.9167, 0.2921, 0.3770



73.0230, 0.3062, 0.3422



38.8980, 0.3360, 0.4072



16.1083, 0.3051, 0.3443



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.



36.9167, 0.2921, 0.3770



64.2420, 0.2879, 0.3902



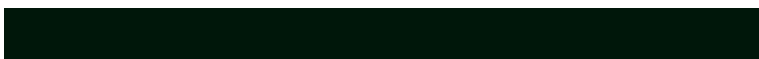
37.8007, 0.2735, 0.3356



8.9935, 0.3061, 0.3424



22.3234, 0.2785, 0.5227



0.6321, 0.2612, 0.4604

Inverse Universe

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



25.5657, 0.3408, 0.2856



40.4710, 0.3495, 0.2753



24.8065, 0.3722, 0.3227



8.0899, 0.3200, 0.3160



7.2108, 0.4609, 0.2313



0.2112, 0.4082, 0.2022

Previews

White Background



This preview shows how the Yxy color 36.9152, 0.2921, 0.3770 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 36.9152, 0.2921, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

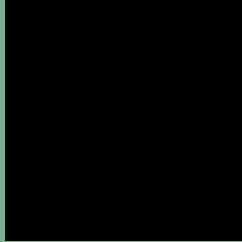
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9152, 0.2921, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 36.9152, 0.2921, 0.3770.



This preview shows how white text looks on a background with the Yxy color 36.9152, 0.2921, 0.3770.

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

36.9152, 0.2921, 0.3770

Protanopia

36.7164, 0.3422, 0.3637

Deuteranopia

36.4742, 0.3474, 0.3401



Tritanopia

36.9936, 0.2701, 0.3095

Trichromacy



Original Color

36.9152, 0.2921, 0.3770

Protanomaly

36.4305, 0.3230, 0.3682

Deuteranomaly

36.3704, 0.3249, 0.3526

Tritanomaly

36.9588, 0.2781, 0.3335

Monochromacy



Original Color

36.9152, 0.2921, 0.3770

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3907, 0.3045, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9152, 0.2921, 0.3770 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(123, 175, 145)` looks like.

```
.text, #text, p{  
    color:rgb(123, 175, 145)  
}
```

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(123, 175, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 175, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.9152, 0.2921, 0.3770 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(123, 175, 145) }
```

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

```
.border{ border-color:rgb(123, 175, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 175, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 175, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 175, 145);  
box-shadow:4px 4px 4px 4px rgb(123, 175,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9152, 0.2921, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 175, 145) }
```

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

```
.background{ background-color: rgb(123,  
175, 145) }
```

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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