

Converting Colors

$Yxy(36.8769, 0.2875, 0.3791)$

Have a look what the booklet for
Yxy(36.8769, 0.2875, 0.3791)
contains.

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Color

Yxy(36.8769, 0.2875, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	75B091
RGB	117, 176, 145
RGB Percent	46%, 69%, 57%
CMY	0.5414, 0.3098, 0.4314
CMYK	0.34, 0.00, 0.18, 0.31
HSL	148°, 27%, 57%
HSV	148°, 34%, 69%
XYZ	27.9665, 36.8769, 32.4314
YIQ	154.8250, -25.2130, -22.1490

Conversions

Conversions Part 2

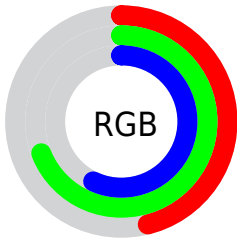
Format	Color
RYB	117, 157, 176
Decimal	7712913
CIELab	67.18, -25.99, 9.85
CIELCh	67, 27.800, 159.237
Yxy	36.8769, 0.2875, 0.3791
Android (android.graphics.Color)	4285902993 (0xFF75B091)
YUV	154.8250, -4.8437, -33.1725
Hunter-Lab	60.7264, -24.0659, 10.8441

Details

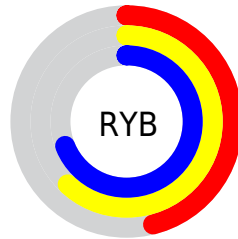
The Yxy color **36.8769, 0.2875, 0.3791** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.0782, 0.3492, 0.2840**, and the grayscale version is **32.7227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4947, 0.2928, 0.3688**, and **16.1504, 0.2787, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **35.4988, 0.2813, 0.3972**, and if you desaturate by 10%, it is **38.5105, 0.2945, 0.3624**.

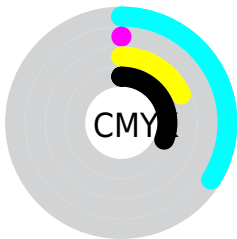
Distribution



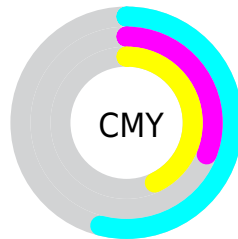
- Red (46%)
- Green (69%)
- Blue (57%)



- Red (46%)
- Yellow (62%)
- Blue (69%)



- Cyan (34%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)





- Cyan (54%)
- Magenta (31%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8769, 0.2875, 0.3791 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 36.8769, 0.2875, 0.3791 by changing the saturation by 10% instead.


 36.8769, 0.2875,
0.3791


 36.8769, 0.2875,
0.3791


332.7773, 0.3010,
0.3522

 25.1122, 0.2838,
0.3865


 70.3834, 0.2926,
0.3689

 16.1607, 0.2789,
0.3964


 92.8940, 0.2945,
0.3652

 9.6379, 0.2719,
0.4104


 119.7554, 0.2960,
0.3621

 5.1596, 0.2613,
0.4317

151.3519, 0.2973,
0.3595

 2.3412, 0.2435,
0.4677

188.0679, 0.2985,
0.3573

 0.7954, 0.1110,
0.7271

230.2879, 0.2994,

 0.0000, 0.0000,

0.3554

0.0000

278.3962, 0.3003,
0.3537

■ 36.8769, 0.2875,
0.3791

■ 36.8769, 0.2875,
0.3791

■ 35.4988, 0.2813,
0.3972

■ 38.5105, 0.2945,
0.3624

■ 34.3580, 0.2762,
0.4165

■ 40.4073, 0.3021,
0.3472

■ 33.4416, 0.2726,
0.4366


■ 42.5806, 0.3099,
0.3335

■ 32.7329, 0.2707,
0.4571


■ 45.0410, 0.3178,
0.3213


■ 32.2132, 0.2708,
0.4773


■ 47.7990, 0.3256,
0.3106


 31.8600, 0.2727,
0.4966

 50.8642, 0.3333,
0.3011

 31.6898, 0.2746,
0.5085

 54.2460, 0.3406,
0.2928

 57.4269, 0.3454,
0.2852

 57.9271, 0.3376,
0.2762

Harmonies

Analogous

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



36.8769, 0.3288, 0.4023



36.8769, 0.2875, 0.3791



36.8769, 0.2544, 0.3399

Triad

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



36.8769, 0.2875, 0.3791



36.8769, 0.2577, 0.2613



36.8769, 0.3948, 0.3487

Complementary

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



36.8769, 0.2875, 0.3791



24.0782, 0.3492, 0.2840

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.



36.8769, 0.3733, 0.3148



36.8769, 0.2875, 0.3791



36.8769, 0.2923, 0.2664

Square

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



36.8769, 0.2875, 0.3791



36.8769, 0.2383, 0.2726



36.8769, 0.3349, 0.2856



36.8769, 0.3922, 0.3804

Rectangle

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



36.8769, 0.2875, 0.3791



36.8769, 0.2408, 0.3126



36.8769, 0.3349, 0.2856



36.8769, 0.3902, 0.3373

Sweetspot

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



36.8784, 0.2875, 0.3791



74.5496, 0.3047, 0.3424



38.6768, 0.3360, 0.4188



16.0426, 0.3036, 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.



36.8784, 0.2875, 0.3791



65.0420, 0.2830, 0.3919



37.8918, 0.2672, 0.3319



9.5551, 0.3054, 0.3412



23.2591, 0.2741, 0.5066



0.7437, 0.2592, 0.4530

Inverse Universe

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



24.0782, 0.3492, 0.2840



38.3722, 0.3601, 0.2743



23.2712, 0.3868, 0.3263



8.5773, 0.3208, 0.3171



7.3564, 0.4824, 0.2431



0.2432, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 36.8769, 0.2875, 0.3791 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 36.8769, 0.2875, 0.3791 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 36.8769, 0.2875, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 36.8769, 0.2875, 0.3791.



This preview shows how white text looks on a background with the Yxy color 36.8769, 0.2875, 0.3791.

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

36.8769, 0.2875, 0.3791

Protanopia

36.3336, 0.3434, 0.3638

Deuteranopia

36.4742, 0.3474, 0.3401



Tritanopia

36.9465, 0.2652, 0.3094

Trichromacy



Original Color

36.8769, 0.2875, 0.3791

Protanomaly

36.1398, 0.3201, 0.3686

Deuteranomaly

36.1626, 0.3230, 0.3527

Tritanomaly

36.9270, 0.2730, 0.3335

Monochromacy



Original Color

36.8769, 0.2875, 0.3791

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0915, 0.3026, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8769, 0.2875, 0.3791 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(117, 176, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 176, 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(117, 176, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 176, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.8769, 0.2875, 0.3791 is called "border". The border property can be set on classes, ids or directly on the HTML element.

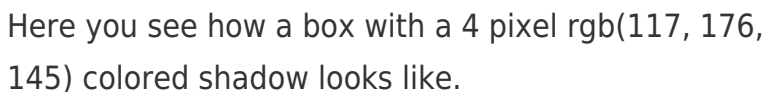
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 176, 145) }
```

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

```
.border{ border-color:rgb(117, 176, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 176, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 176, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 176, 145);  
box-shadow:4px 4px 4px 4px rgb(117, 176,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8769, 0.2875, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 176, 145) }
```

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

```
.background{ background-color: rgb(117,  
176, 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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