

Converting Colors

$Yxy(36.7652, 0.2791, 0.3827)$

Have a look what the booklet for
Yxy(36.7652, 0.2791, 0.3827)
contains.

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Color

Yxy(36.8884, 0.2791, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	69B291
RGB	105, 178, 145
RGB Percent	41%, 70%, 57%
CMY	0.5881, 0.3020, 0.4314
CMYK	0.41, 0.00, 0.19, 0.30
HSL	153°, 32%, 55%
HSV	153°, 41%, 70%
XYZ	26.8603, 36.8884, 32.4903
YIQ	152.4110, -32.9150, -25.7390

Conversions

Conversions Part 2

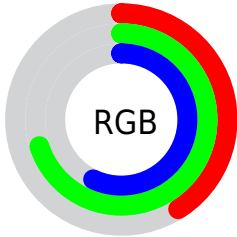
Format	Color
RYB	105, 152, 178
Decimal	6926993
CIELab	67.19, -30.48, 9.79
CIELCh	67, 32.009, 162.192
Yxy	36.8884, 0.2791, 0.3833
Android (android.graphics.Color)	4285117073 (0xFF69B291)
YUV	152.4110, -3.6536, -41.5794
Hunter-Lab	60.7358, -27.3464, 10.7982

Details

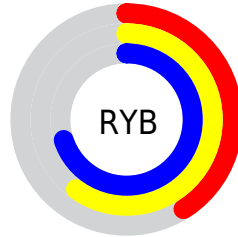
The Yxy color **36.8884, 0.2791, 0.3833** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.4132, 0.3678, 0.2812**, and the grayscale version is **31.6178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3401, 0.2857, 0.3719**, and **16.2235, 0.2675, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **35.6823, 0.2730, 0.3995**, and if you desaturate by 10%, it is **38.3407, 0.2863, 0.3681**.

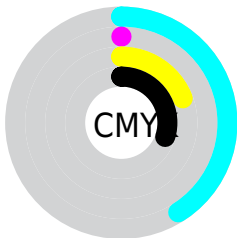
Distribution



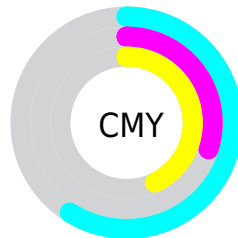
- Red (41%)
- Green (70%)
- Blue (57%)



- Red (41%)
- Yellow (60%)
- Blue (70%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)





- Cyan (59%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8884, 0.2791, 0.3833 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 36.8884, 0.2791, 0.3833 by changing the saturation by 10% instead.


 36.8884, 0.2791,
0.3833


 36.8884, 0.2791,
0.3833


332.8271, 0.2970,
0.3541


 25.1211, 0.2742,
0.3913


 70.4011, 0.2859,
0.3722

 16.1673, 0.2677,
0.4021


 92.9153, 0.2884,
0.3681

 9.6426, 0.2586,
0.4174


 119.7806, 0.2904,
0.3648

 5.1627, 0.2450,
0.4406

 151.3814, 0.2921,
0.3620

 2.3430, 0.2224,
0.4800

188.1020, 0.2936,
0.3596

 0.7963, 0.0130,
0.8028

230.3269, 0.2949,

 0.0000, 0.0000,

0.3575

0.0000

278.4405, 0.2960,
0.3557

■ 36.8884, 0.2791,
0.3833

■ 36.8884, 0.2791,
0.3833

■ 35.6823, 0.2730,
0.3995

■ 38.3407, 0.2863,
0.3681

■ 34.7034, 0.2684,
0.4165

■ 40.0480, 0.2944,
0.3542

■ 33.9370, 0.2655,
0.4340


■ 42.0242, 0.3030,
0.3415

■ 33.3647, 0.2645,
0.4516

■ 44.2807, 0.3118,
0.3301


■ 32.9648, 0.2656,
0.4689


■ 46.8284, 0.3208,
0.3199

 32.7117, 0.2678,
0.4839

 49.6775, 0.3297,
0.3109

 52.8377, 0.3384,
0.3029

 56.3183, 0.3468,
0.2960

 58.1337, 0.3463,
0.2887

Harmonies

Analogous

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



36.8884, 0.3259, 0.4128



36.8884, 0.2791, 0.3833



36.8884, 0.2431, 0.3364

Triad

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



36.8884, 0.2791, 0.3833



36.8884, 0.2530, 0.2517



36.8884, 0.4083, 0.3545

Complementary

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



36.8884, 0.2791, 0.3833



21.4132, 0.3678, 0.2812

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.



36.8884, 0.3861, 0.3161



36.8884, 0.2791, 0.3833



36.8884, 0.2936, 0.2594

Square

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



36.8884, 0.2791, 0.3833



36.8884, 0.2293, 0.2621



36.8884, 0.3428, 0.2824



36.8884, 0.4022, 0.3903

Rectangle

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



36.8884, 0.2791, 0.3833



36.8884, 0.2292, 0.3052



36.8884, 0.3428, 0.2824



36.8884, 0.4040, 0.3416

Sweetspot

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



36.8899, 0.2791, 0.3833



75.7460, 0.3019, 0.3430



38.3572, 0.3359, 0.4422



16.6753, 0.3008, 0.3445



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.8899, 0.2791, 0.3833



64.9375, 0.2736, 0.3976



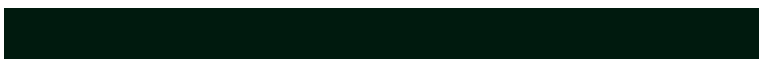
37.1008, 0.2568, 0.3250



9.5654, 0.3044, 0.3395



23.4192, 0.2672, 0.4821



0.7484, 0.2541, 0.4348

Inverse Universe

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



21.4132, 0.3678, 0.2812



33.0966, 0.3857, 0.2713



21.1005, 0.4136, 0.3329



8.5671, 0.3219, 0.3187



7.2046, 0.5127, 0.2598



0.2385, 0.4459, 0.2230

Previews

White Background



This preview shows how the Yxy color 36.8884, 0.2791, 0.3833 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 36.8884, 0.2791, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

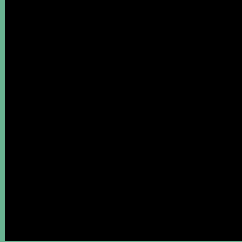
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8884, 0.2791, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 36.8884, 0.2791, 0.3833.



This preview shows how white text looks on a background with the Yxy color 36.8884, 0.2791, 0.3833.

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

36.8884, 0.2791, 0.3833

Protanopia

36.3047, 0.3444, 0.3652

Deuteranopia

36.3511, 0.3463, 0.3402



Tritanopia

36.6951, 0.2572, 0.3076

Trichromacy



Original Color

36.8884, 0.2791, 0.3833

Protanomaly

36.1018, 0.3171, 0.3721

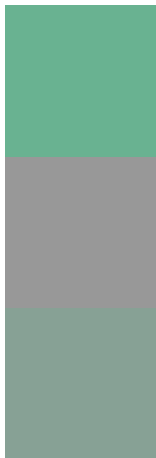
Deuteranomaly

36.0169, 0.3181, 0.3545

Tritanomaly

36.5919, 0.2648, 0.3336

Monochromacy



Original Color

36.8884, 0.2791, 0.3833

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8106, 0.2988, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8884, 0.2791, 0.3833 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(105, 178, 145)` looks like.

```
.text, #text, p{  
    color:rgb(105, 178, 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(105, 178, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 178, 145) }
```

Border

The CSS property to change the border of an element to Yxy 36.8884, 0.2791, 0.3833 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(105, 178, 145) }
```

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

```
.border{ border-color:rgb(105, 178, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 178, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 178, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 178, 145);  
box-shadow:4px 4px 4px 4px rgb(105, 178,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8884, 0.2791, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 178, 145) }
```

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

```
.background{ background-color: rgb(105,  
178, 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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