

Converting Colors

$Yxy(33.3876, 0.2937, 0.3688)$

Have a look what the booklet for
Yxy(33.3876, 0.2937, 0.3688)
contains.

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Color

Yxy(33.3630, 0.2932, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	7AA68E
RGB	122, 166, 142
RGB Percent	48%, 65%, 56%
CMY	0.5215, 0.3490, 0.4432
CMYK	0.26, 0.00, 0.14, 0.35
HSL	147°, 20%, 56%
HSV	147°, 26%, 65%
XYZ	26.5455, 33.3630, 30.6288
YIQ	150.1080, -18.5200, -16.7920

Conversions

Conversions Part 2

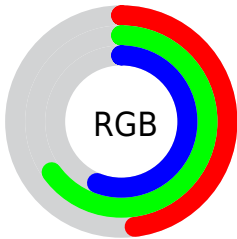
Format	Color
RYB	122, 152, 166
Decimal	8038030
CIELab	64.45, -19.95, 7.67
CIElCh	64, 21.377, 158.978
Yxy	33.3630, 0.2932, 0.3685
Android (android.graphics.Color)	4286228110 (0xFF7AA68E)
YUV	150.1080, -3.9972, -24.6507
Hunter-Lab	57.7607, -19.0466, 8.9928

Details

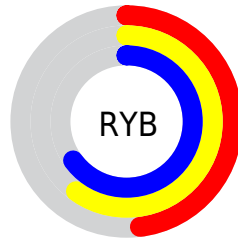
The Yxy color **33.3630, 0.2932, 0.3685** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.1055, 0.3384, 0.2927**, and the grayscale version is **30.5721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8124, 0.2968, 0.3596**, and **14.1851, 0.2862, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **31.9930, 0.2866, 0.3863**, and if you desaturate by 10%, it is **34.9649, 0.3003, 0.3523**.

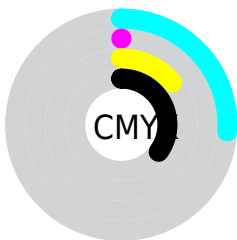
Distribution



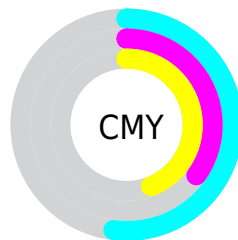
- Red (48%)
- Green (65%)
- Blue (56%)



- Red (48%)
- Yellow (60%)
- Blue (65%)



- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)





- Cyan (52%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3630, 0.2932, 0.3685 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 33.3630, 0.2932, 0.3685 by changing the saturation by 10% instead.


 33.3630, 0.2932,
0.3685


 33.3630, 0.2932,
0.3685


317.2823, 0.3038,
0.3471

 22.4047, 0.2903,
0.3745


 64.9418, 0.2972,
0.3603

 14.1545, 0.2863,
0.3825


 86.3312, 0.2987,
0.3573

 8.2282, 0.2806,
0.3941


 111.9663, 0.2999,
0.3549

 4.2413, 0.2719,
0.4119

142.2315, 0.3009,
0.3529

 1.8095, 0.2567,
0.4429

177.5114, 0.3018,
0.3511

 0.4931, 0.0000,
0.9985

218.1902, 0.3025,

 0.0000, 0.0000,

0.3496

0.0000

264.6523, 0.3032,
0.3483

■ 33.3630, 0.2932,
0.3685

■ 33.3630, 0.2932,
0.3685

■ 31.9930, 0.2866,
0.3863

■ 34.9649, 0.3003,
0.3523

■ 30.8397, 0.2809,
0.4055

■ 36.8048, 0.3078,
0.3377

■ 29.8925, 0.2764,
0.4257

■ 38.8937, 0.3154,
0.3246

■ 29.1382, 0.2734,
0.4467

■ 41.2408, 0.3229,
0.3130

■ 28.5620, 0.2722,
0.4678

■ 43.8546, 0.3302,
0.3029

■ 28.1468, 0.2728,
0.4884

■ 46.7435, 0.3374,
0.2939

■ 27.8689, 0.2753,
0.5079

■ 49.9151, 0.3442,
0.2861

■ 27.7865, 0.2762,
0.5144

■ 53.3772, 0.3507,
0.2793

■ 53.8896, 0.3428,
0.2706

Harmonies

Analogous

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



33.3630, 0.3263, 0.3866



33.3630, 0.2932, 0.3685



33.3630, 0.2663, 0.3382

Triad

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



33.3630, 0.2932, 0.3685



33.3630, 0.2684, 0.2744



33.3630, 0.3777, 0.3453

Complementary

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



33.3630, 0.2932, 0.3685



24.1055, 0.3384, 0.2927

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.



33.3630, 0.3606, 0.3178



33.3630, 0.2932, 0.3685



33.3630, 0.2964, 0.2782

Square

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



33.3630, 0.2932, 0.3685



33.3630, 0.2526, 0.2842



33.3630, 0.3303, 0.2938



33.3630, 0.3761, 0.3706

Rectangle

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



33.3630, 0.2932, 0.3685



33.3630, 0.2550, 0.3168



33.3630, 0.3303, 0.2938



33.3630, 0.3740, 0.3361

Sweetspot

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



33.3644, 0.2932, 0.3685



66.2142, 0.3066, 0.3400



34.8085, 0.3321, 0.3980



14.7041, 0.3055, 0.3420



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.3644, 0.2932, 0.3685



58.9865, 0.2891, 0.3792



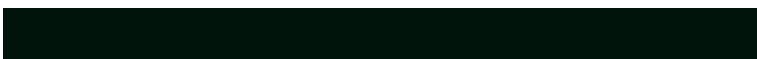
34.0848, 0.2764, 0.3324



8.4623, 0.3057, 0.3416



21.5558, 0.2758, 0.5128



0.5349, 0.2576, 0.4472

Inverse Universe

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



24.1055, 0.3384, 0.2927



39.2155, 0.3462, 0.2839



23.4901, 0.3652, 0.3257



7.6082, 0.3204, 0.3167



6.8765, 0.4733, 0.2381



0.1774, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 33.3630, 0.2932, 0.3685 looks on a white background.

Color Contrast Check

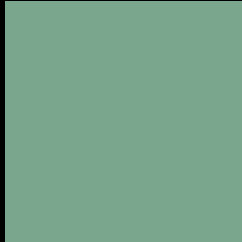
Large Text (above 18pt) WCAG AA × Fail

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 33.3630, 0.2932, 0.3685 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 33.3630, 0.2932, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 33.3630, 0.2932, 0.3685.



This preview shows how white text looks on a background with the Yxy color 33.3630, 0.2932, 0.3685.

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

33.3630, 0.2932, 0.3685

Protanopia

33.0068, 0.3388, 0.3576

Deuteranopia

32.9710, 0.3437, 0.3363



Tritanopia

33.1349, 0.2729, 0.3088

Trichromacy



Original Color

33.3630, 0.2932, 0.3685

Protanomaly

32.9272, 0.3209, 0.3619

Deuteranomaly

32.8585, 0.3238, 0.3473

Tritanomaly

33.2386, 0.2806, 0.3305

Monochromacy



Original Color

33.3630, 0.2932, 0.3685

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4590, 0.3052, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3630, 0.2932, 0.3685 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(122, 166, 142)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 142)  
}
```

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(122, 166, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 142) }
```

Border

The CSS property to change the border of an element to Yxy 33.3630, 0.2932, 0.3685 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(122, 166, 142) }
```

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

```
.border{ border-color:rgb(122, 166, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 166, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 142);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3630, 0.2932, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 142) }
```

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

```
.background{ background-color: rgb(122,  
166, 142) }
```

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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