

Converting Colors

$Y_{xy}(32.9255, 0.2959, 0.3777)$

Have a look what the booklet for
Yxy(32.9255, 0.2959, 0.3777)
contains.

Yxy(33.0431, 0.2962, 0.3790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0431, 0.2962, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	78A688
RGB	120, 166, 136
RGB Percent	47%, 65%, 53%
CMY	0.5295, 0.3490, 0.4666
CMYK	0.28, 0.00, 0.18, 0.35
HSL	141°, 21%, 56%
HSV	141°, 28%, 65%
XYZ	25.8242, 33.0431, 28.3177
YIQ	148.8260, -17.7860, -19.0820

Conversions

Conversions Part 2

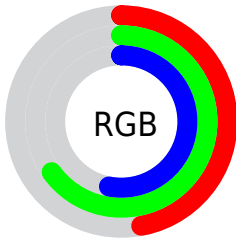
Format	Color
RYB	120, 154, 166
Decimal	7906952
CIELab	64.20, -21.83, 10.61
CIElCh	64, 24.270, 154.087
Yxy	33.0431, 0.2962, 0.3790
Android (android.graphics.Color)	4286097032 (0xFF78A688)
YUV	148.8260, -6.3232, -25.2804
Hunter-Lab	57.4831, -20.4047, 11.0304

Details

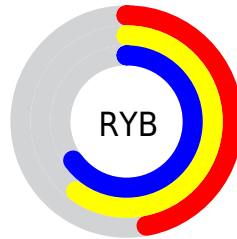
The Yxy color **33.0431, 0.2962, 0.3790** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7347, 0.3342, 0.2838**, and the grayscale version is **30.0096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2713, 0.2998, 0.3687**, and **14.0086, 0.2904, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **31.6668, 0.2909, 0.4007**, and if you desaturate by 10%, it is **34.6589, 0.3020, 0.3592**.

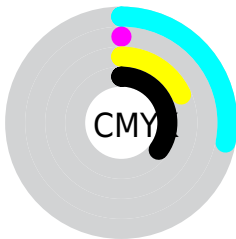
Distribution



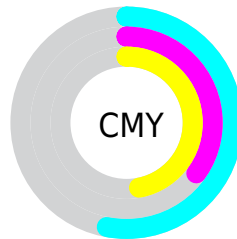
- Red (47%)
- Green (65%)
- Blue (53%)



- Red (47%)
- Yellow (60%)
- Blue (65%)



- Cyan (28%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)



- Cyan (53%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0431, 0.2962, 0.3790 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 33.0431, 0.2962, 0.3790 by changing the saturation by 10% instead.

■ 33.0431, 0.2962,
0.3790

■ 33.0431, 0.2962,
0.3790

315.8439, 0.3053,
0.3517

■ 22.1595, 0.2936,
0.3867

■ 64.4428, 0.2998,
0.3685

■ 13.9741, 0.2900,
0.3971

■ 85.7277, 0.3010,
0.3647

■ 8.1027, 0.2847,
0.4121

■ 111.2484, 0.3021,
0.3616

■ 4.1607, 0.2764,
0.4355

141.3894, 0.3029,
0.3590

■ 1.7639, 0.2612,
0.4767

176.5351, 0.3037,
0.3568

■ 0.4645, 0.0000,
1.0000

217.0698, 0.3043,

■ 0.0000, 0.0000,

0.3549

0.0000

263.3779, 0.3049,
0.3532

■ 33.0431, 0.2962,
0.3790

■ 33.0431, 0.2962,
0.3790

■ 31.6668, 0.2909,
0.4007

■ 34.6589, 0.3020,
0.3592

■ 30.5144, 0.2863,
0.4240

■ 36.5209, 0.3080,
0.3414

■ 29.5746, 0.2829,
0.4485

■ 38.6405, 0.3141,
0.3256

■ 28.8338, 0.2808,
0.4734

■ 41.0271, 0.3201,
0.3116

■ 28.2765, 0.2803,
0.4979

■ 43.6898, 0.3259,
0.2994

■ 27.8846, 0.2816,
0.5209

■ 46.6371, 0.3315,
0.2887

■ 27.6293, 0.2843,
0.5414

■ 49.8773, 0.3368,
0.2793

■ 27.5794, 0.2849,
0.5458

■ 53.4183, 0.3418,
0.2712

■ 54.4376, 0.3344,
0.2614

Harmonies

Analogous

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



33.0431, 0.3341, 0.3965



33.0431, 0.2962, 0.3790



33.0431, 0.2641, 0.3455

Triad

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



33.0431, 0.2962, 0.3790



33.0431, 0.2586, 0.2680



33.0431, 0.3851, 0.3420

Complementary

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



33.0431, 0.2962, 0.3790



23.7347, 0.3342, 0.2838

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.



33.0431, 0.3624, 0.3112



33.0431, 0.2962, 0.3790



33.0431, 0.2882, 0.2700

Square

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



33.0431, 0.2962, 0.3790



33.0431, 0.2434, 0.2812



33.0431, 0.3262, 0.2856



33.0431, 0.3867, 0.3716

Rectangle

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



33.0431, 0.2962, 0.3790



33.0431, 0.2498, 0.3206



33.0431, 0.3262, 0.2856



33.0431, 0.3797, 0.3315

Sweetspot

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



33.0445, 0.2962, 0.3790



66.1250, 0.3078, 0.3421



35.1776, 0.3382, 0.4003



14.6808, 0.3069, 0.3446



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.



33.0445, 0.2962, 0.3790



58.4453, 0.2930, 0.3915



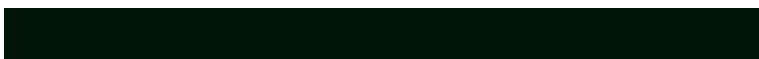
33.7464, 0.2789, 0.3413



8.4493, 0.3071, 0.3441



21.3925, 0.2845, 0.5441



0.5301, 0.2651, 0.4745

Inverse Universe

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



23.7347, 0.3342, 0.2838



38.8297, 0.3400, 0.2740



23.0833, 0.3616, 0.3172



7.6215, 0.3188, 0.3144



7.1372, 0.4310, 0.2148



0.1828, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 33.0431, 0.2962, 0.3790 looks on a white background.

Color Contrast Check

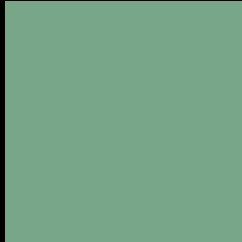
Large Text (above 18pt) WCAG AA × Fail

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 33.0431, 0.2962, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

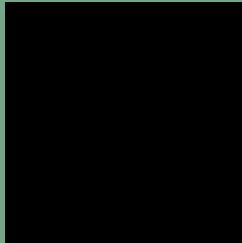
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0431, 0.2962, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 33.0431, 0.2962, 0.3790.



This preview shows how white text looks on a background with the Yxy color 33.0431, 0.2962, 0.3790.

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

33.0431, 0.2962, 0.3790

Protanopia

32.8409, 0.3446, 0.3668

Deuteranopia

32.5891, 0.3512, 0.3435



Tritanopia

33.0578, 0.2721, 0.3087

Trichromacy



Original Color

33.0431, 0.2962, 0.3790

Protanomaly

32.6653, 0.3254, 0.3717

Deuteranomaly

32.3456, 0.3296, 0.3552

Tritanomaly

33.0175, 0.2805, 0.3337

Monochromacy



Original Color

33.0431, 0.2962, 0.3790

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.8596, 0.3060, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0431, 0.2962, 0.3790 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(120, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(120, 166, 136)  
}
```

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(120, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 166, 136) }
```

Border

The CSS property to change the border of an element to Yxy 33.0431, 0.2962, 0.3790 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(120, 166, 136) }
```

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

```
.border{ border-color:rgb(120, 166, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 166, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(120, 166,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0431, 0.2962, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 166, 136) }
```

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

```
.background{ background-color: rgb(120,  
166, 136) }
```

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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