

Converting Colors

$Y_{xy}(32.9152, 0.2434, 0.3077)$

Have a look what the booklet for
Yxy(32.9152, 0.2434, 0.3077)
contains.

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Color

Yxy(33.0074, 0.2431, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	58A7B4
RGB	88, 167, 180
RGB Percent	35%, 65%, 71%
CMY	0.6552, 0.3451, 0.2940
CMYK	0.51, 0.07, 0.00, 0.29
HSL	188°, 38%, 53%
HSV	188°, 51%, 71%
XYZ	26.0777, 33.0074, 48.1863
YIQ	144.8610, -51.2570, -12.7050

Conversions

Conversions Part 2

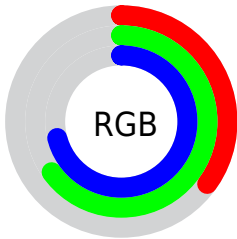
Format	Color
RYB	88, 131, 180
Decimal	5810100
CIELab	64.17, -20.65, -14.19
CIELCh	64, 25.056, 214.502
Yxy	33.0074, 0.2431, 0.3077
Android (android.graphics.Color)	4284000180 (0xFF58A7B4)
YUV	144.8610, 17.3235, -49.8671
Hunter-Lab	57.4521, -19.5194, -9.5114

Details

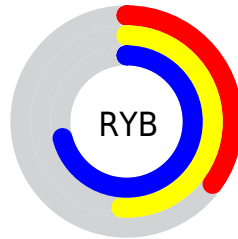
The Yxy color **33.0074, 0.2431, 0.3077** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7044, 0.4456, 0.3480**, and the grayscale version is **28.1942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2280, 0.2562, 0.3118**, and **13.9880, 0.2220, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **31.3141, 0.2333, 0.3029**, and if you desaturate by 10%, it is **34.9384, 0.2545, 0.3124**.

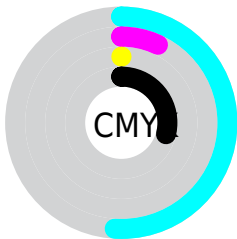
Distribution



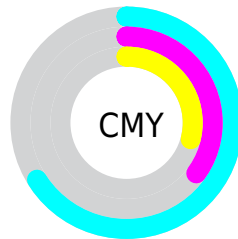
- Red (35%)
- Green (65%)
- Blue (71%)



- Red (35%)
- Yellow (51%)
- Blue (71%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)




- Cyan (66%)
- Magenta (35%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0074, 0.2431, 0.3077 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 33.0074, 0.2431, 0.3077 by changing the saturation by 10% instead.


 33.0074, 0.2431,
0.3077


 33.0074, 0.2431,
0.3077


315.6831, 0.2790,
0.3198

 22.1321, 0.2338,
0.3042


 64.3871, 0.2564,
0.3125

 13.9540, 0.2218,
0.2993


 85.6603, 0.2613,
0.3141

 8.0887, 0.2056,
0.2923


 111.1682, 0.2654,
0.3155

 4.1517, 0.1827,
0.2814

 141.2953, 0.2689,
0.3166

 1.7588, 0.1484,
0.2624

176.4259, 0.2720,
0.3176

 0.4613, 0.0000,
0.2240

216.9445, 0.2746,

 0.0000, 0.0000,

0.3184

0.0000

263.2354, 0.2769,
0.3192

■ 33.0074, 0.2431,
0.3077

■ 33.0074, 0.2431,
0.3077

■ 31.3141, 0.2333,
0.3029

■ 34.9384, 0.2545,
0.3124

■ 29.8383, 0.2252,
0.2979

■ 37.1180, 0.2673,
0.3169

■ 28.5626, 0.2191,
0.2929

■ 39.5609, 0.2812,
0.3211

■ 27.4649, 0.2148,
0.2880

■ 42.2796, 0.2958,
0.3250

■ 26.6024, 0.2121,
0.2837

■ 45.2856, 0.3110,
0.3286

■ 48.5899, 0.3263,
0.3319

■ 52.2027, 0.3416,
0.3348

■ 56.1339, 0.3567,
0.3374

■ 60.3927, 0.3714,
0.3397

Harmonies

Analogous

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



33.0074, 0.2621, 0.3454



33.0074, 0.2431, 0.3077



33.0074, 0.2414, 0.2793

Triad

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



33.0074, 0.2431, 0.3077



33.0074, 0.3272, 0.2846



33.0074, 0.3689, 0.3948

Complementary

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



33.0074, 0.2431, 0.3077



19.7044, 0.4456, 0.3480

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.



33.0074, 0.3890, 0.3732



33.0074, 0.2431, 0.3077



33.0074, 0.3645, 0.3111

Square

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



33.0074, 0.2431, 0.3077



33.0074, 0.2878, 0.2684



33.0074, 0.3877, 0.3427



33.0074, 0.3341, 0.3987

Rectangle

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



33.0074, 0.2431, 0.3077



33.0074, 0.2501, 0.2687



33.0074, 0.3877, 0.3427



33.0074, 0.3776, 0.3891

Sweetspot

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



33.0087, 0.2431, 0.3077



74.5607, 0.2898, 0.3234



35.6457, 0.2977, 0.4684



15.8947, 0.2867, 0.3226



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.



33.0087, 0.2431, 0.3077



56.5125, 0.2325, 0.3024



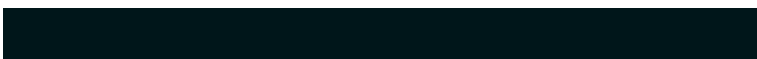
19.2119, 0.2276, 0.2280



9.4228, 0.2986, 0.3257



18.6367, 0.2123, 0.2843



0.6423, 0.2161, 0.2979

Inverse Universe

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



19.4639, 0.3346, 0.2224



30.0358, 0.3404, 0.2041



31.0449, 0.4092, 0.4110



8.6257, 0.3158, 0.3097



8.4215, 0.3595, 0.1754



0.2706, 0.3472, 0.1687

Previews

White Background



This preview shows how the Yxy color 33.0074, 0.2431, 0.3077 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 33.0074, 0.2431, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

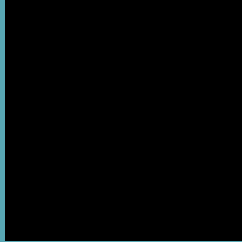
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0074, 0.2431, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 33.0074, 0.2431, 0.3077.



This preview shows how white text looks on a background with the Yxy color 33.0074, 0.2431, 0.3077.

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

33.0074, 0.2431, 0.3077

Protanopia

32.7269, 0.2956, 0.3037

Deuteranopia

32.6200, 0.2891, 0.2830



Tritanopia

33.0074, 0.2431, 0.3077

Trichromacy



Original Color

33.0074, 0.2431, 0.3077

Protanomaly

32.5194, 0.2734, 0.3056

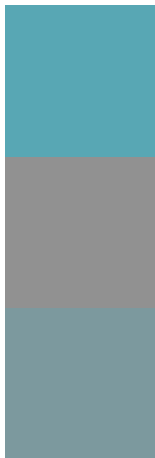
Deuteranomaly

32.3166, 0.2688, 0.2909

Tritanomaly

33.0074, 0.2431, 0.3077

Monochromacy



Original Color

33.0074, 0.2431, 0.3077

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.5362, 0.2810, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0074, 0.2431, 0.3077 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(88, 167, 180)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 180)  
}
```

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(88, 167, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.0074, 0.2431, 0.3077 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(88, 167, 180) }
```

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

```
.border{ border-color:rgb(88, 167, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 180);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0074, 0.2431, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 180) }
```

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

```
.background{ background-color: rgb(88, 167,  
180) }
```

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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