

Converting Colors

$Yxy(33.5344, 0.2207, 0.2882)$

Have a look what the booklet for
Yxy(33.5344, 0.2207, 0.2882)
contains.

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Color

Yxy(33.4131, 0.2204, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	32AAC4
RGB	50, 170, 196
RGB Percent	20%, 67%, 77%
CMY	0.8042, 0.3333, 0.2314
CMYK	0.75, 0.13, 0.00, 0.23
HSL	191°, 59%, 48%
HSV	191°, 75%, 77%
XYZ	25.6505, 33.4131, 57.3178
YIQ	137.0840, -79.8660, -17.3540

Conversions

Conversions Part 2

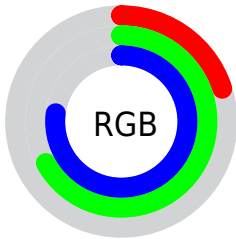
Format	Color
R _{YB}	50, 116, 196
Decimal	3320516
CIE _{Lab}	64.49, -23.84, -22.71
CIE _{LCh}	64, 32.924, 223.600
Y _{xy}	33.4131, 0.2204, 0.2871
Android (android.graphics.Color)	4281510596 (0xFF32AAC4)
YUV	137.0840, 29.0456, -76.3727
Hunter-Lab	57.8041, -21.9480, -18.3284

Details

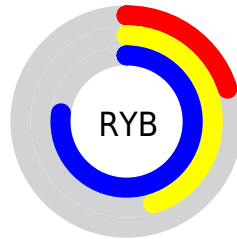
The Yxy color **33.4131, 0.2204, 0.2871** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **17.1223, 0.5401, 0.3568**, and the grayscale version is **24.9540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3361, 0.2376, 0.2963**, and **14.9099, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **31.7288, 0.2144, 0.2807**, and if you desaturate by 10%, it is **35.3475, 0.2283, 0.2935**.

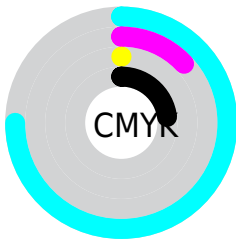
Distribution



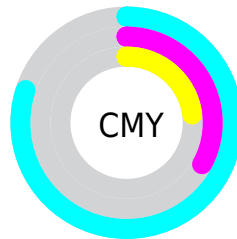
- Red (20%)
- Green (67%)
- Blue (77%)



- Red (20%)
- Yellow (45%)
- Blue (77%)



- Cyan (75%)
- Magenta (13%)
- Yellow (0%)
- Black (23%)





- Cyan (80%)
- Magenta (33%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4131, 0.2204, 0.2871 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 33.4131, 0.2204, 0.2871 by changing the saturation by 10% instead.


 33.4131, 0.2204,
0.2871


 33.4131, 0.2204,
0.2871


317.5071, 0.2672,
0.3104

 22.4431, 0.2087,
0.2806


 65.0199, 0.2375,
0.2961


 14.1828, 0.1938,
0.2718


 86.4256, 0.2439,
0.2993

 8.2479, 0.1742,
0.2595


 112.0785, 0.2493,
0.3020

 4.2540, 0.1476,
0.2412

 142.3632, 0.2539,
0.3042

 1.8166, 0.1105,
0.2120

 177.6640, 0.2579,
0.3061

 0.4975, 0.0000,
0.1575

218.3653, 0.2614,

 0.0000, 0.0000,

0.3077

0.0000

264.8516, 0.2645,
0.3091

■ 33.4131, 0.2204,
0.2871

■ 33.4131, 0.2204,
0.2871

■ 31.7288, 0.2144,
0.2807

■ 35.3475, 0.2283,
0.2935

■ 30.2613, 0.2103,
0.2744

■ 37.5529, 0.2380,
0.2998

■ 29.5187, 0.2086,
0.2709

■ 40.0517, 0.2494,
0.3059

■ 42.8629, 0.2621,
0.3117

■ 46.0036, 0.2760,
0.3172

■ 49.4896, 0.2907,
0.3223

■ 53.3357, 0.3058,
0.3270

■ 57.5557, 0.3211,
0.3313

■ 62.1627, 0.3364,
0.3351

Harmonies

Analogous

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



33.4131, 0.2376, 0.3342



33.4131, 0.2204, 0.2871



33.4131, 0.2252, 0.2570

Triad

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



33.4131, 0.2204, 0.2871



33.4131, 0.3470, 0.2811



33.4131, 0.3726, 0.4194

Complementary

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



33.4131, 0.2204, 0.2871



17.1223, 0.5401, 0.3568

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.



33.4131, 0.4066, 0.3951



33.4131, 0.2204, 0.2871



33.4131, 0.3925, 0.3170

Square

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



33.4131, 0.2204, 0.2871



33.4131, 0.2946, 0.2563



33.4131, 0.4148, 0.3575



33.4131, 0.3240, 0.4176

Rectangle

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



33.4131, 0.2204, 0.2871



33.4131, 0.2402, 0.2483



33.4131, 0.4148, 0.3575



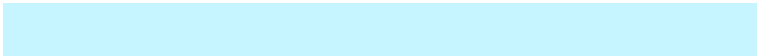
33.4131, 0.3861, 0.4136

Sweetspot

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



33.4143, 0.2204, 0.2871



84.6649, 0.2791, 0.3184



40.6517, 0.2928, 0.5339



17.7652, 0.2752, 0.3169



0.0000, 0.0000, 0.0000



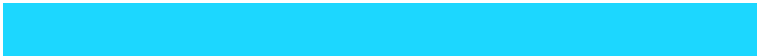
21.4041, 0.3127, 0.3290

Same Dimension

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



33.4143, 0.2204, 0.2871



55.8770, 0.2118, 0.2770



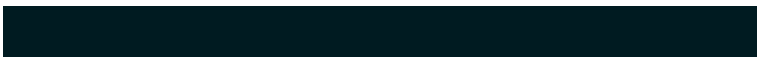
13.5135, 0.1887, 0.1624



11.1137, 0.2984, 0.3248



19.0821, 0.2088, 0.2718



0.9061, 0.2128, 0.2859

Inverse Universe

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



16.9130, 0.3552, 0.1928



26.9798, 0.3658, 0.1832



32.9277, 0.4550, 0.4430



10.2158, 0.3164, 0.3103



9.2086, 0.3711, 0.1818



0.4061, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 33.4131, 0.2204, 0.2871 looks on a white background.

Color Contrast Check

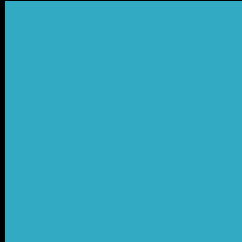
Large Text (above 18pt) WCAG AA × Fail

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 33.4131, 0.2204, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

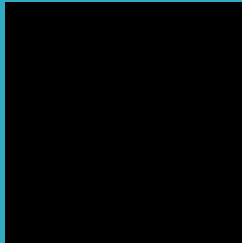
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

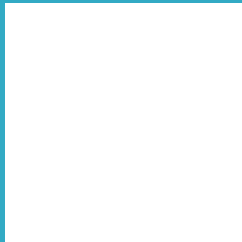
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4131, 0.2204, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 33.4131, 0.2204, 0.2871.

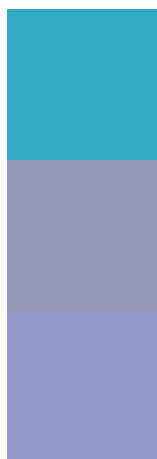


This preview shows how white text looks on a background with the Yxy color 33.4131, 0.2204, 0.2871.

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

33.4131, 0.2204, 0.2871

Protanopia

33.0035, 0.2813, 0.2839

Deuteranopia

33.1556, 0.2681, 0.2626



Tritanopia

33.5425, 0.2239, 0.3056

Trichromacy



Original Color

33.4131, 0.2204, 0.2871

Protanomaly

32.3264, 0.2511, 0.2841

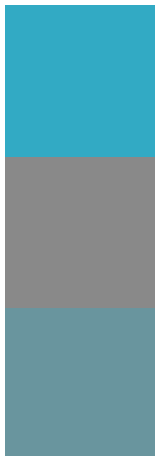
Deuteranomaly

32.3645, 0.2439, 0.2686

Tritanomaly

33.4014, 0.2223, 0.2977

Monochromacy



Original Color

33.4131, 0.2204, 0.2871

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.9668, 0.2643, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4131, 0.2204, 0.2871 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(50, 170, 196)` looks like.

```
.text, #text, p{  
    color:rgb(50, 170, 196)  
}
```

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(50, 170, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 170, 196) }
```

Border

The CSS property to change the border of an element to Yxy 33.4131, 0.2204, 0.2871 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(50, 170, 196) }
```

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

```
.border{ border-color:rgb(50, 170, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 170, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 170, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 170, 196);  
box-shadow:4px 4px 4px 4px rgb(50, 170,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4131, 0.2204, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 170, 196) }
```

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

```
.background{ background-color: rgb(50, 170,  
196) }
```

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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