

Converting Colors

$Y_{xy}(33.5661, 0.2132, 0.2753)$

Have a look what the booklet for
Yxy(33.5661, 0.2132, 0.2753)
contains.

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Color

Yxy(33.4324, 0.2131, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	21AACC
RGB	33, 170, 204
RGB Percent	13%, 67%, 80%
CMY	0.8706, 0.3333, 0.2001
CMYK	0.84, 0.17, 0.00, 0.20
HSL	192°, 72%, 46%
HSV	192°, 84%, 80%
XYZ	25.8977, 33.4324, 62.1981
YIQ	132.9130, -92.5660, -18.4700

Conversions

Conversions Part 2

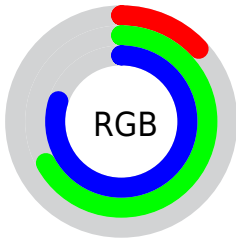
Format	Color
RYB	33, 109, 204
Decimal	2206412
CIELab	64.51, -22.88, -27.14
CIELCh	65, 35.492, 229.871
Yxy	33.4324, 0.2131, 0.2751
Android (android.graphics.Color)	4280396492 (0xFF21AACC)
YUV	132.9130, 35.0459, -87.6237
Hunter-Lab	57.8208, -21.2370, -23.3041

Details

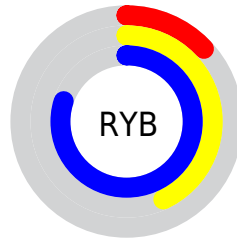
The Yxy color **33.4324, 0.2131, 0.2751** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.9521, 0.5732, 0.3576**, and the grayscale version is **23.3162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3854, 0.2335, 0.2925**, and **15.1589, 0.2056, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **31.6970, 0.2086, 0.2679**, and if you desaturate by 10%, it is **35.4206, 0.2195, 0.2824**.

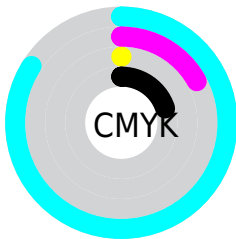
Distribution



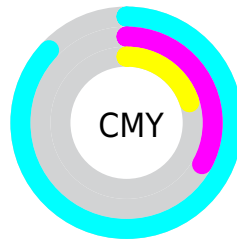
- Red (13%)
- Green (67%)
- Blue (80%)



- Red (13%)
- Yellow (43%)
- Blue (80%)



- Cyan (84%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)




- Cyan (87%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4324, 0.2131, 0.2751 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 33.4324, 0.2131, 0.2751 by changing the saturation by 10% instead.


 33.4324, 0.2131,
0.2751


 33.4324, 0.2131,
0.2751


317.5937, 0.2633,
0.3046


 22.4579, 0.2007,
0.2671


 65.0500, 0.2313,
0.2863


 14.1937, 0.1850,
0.2564


 86.4619, 0.2381,
0.2904

 8.2555, 0.1646,
0.2417


 112.1218, 0.2439,
0.2938

 4.2589, 0.1374,
0.2203

 142.4139, 0.2489,
0.2966

 1.8194, 0.1005,
0.1877

 177.7228, 0.2532,
0.2990

 0.4992, 0.0000,
0.1306

218.4328, 0.2570,

 0.0000, 0.0000,

0.3011

0.0000

264.9283, 0.2603,
0.3030

■ 33.4324, 0.2131,
0.2751

■ 33.4324, 0.2131,
0.2751

■ 31.6970, 0.2086,
0.2679

■ 35.4206, 0.2195,
0.2824

■ 30.7145, 0.2065,
0.2635

■ 37.6905, 0.2278,
0.2896

■ 40.2702, 0.2379,
0.2967

■ 43.1829, 0.2496,
0.3035

■ 46.4496, 0.2627,
0.3101

■ 50.0893, 0.2768,
0.3162

■ 54.1193, 0.2916,
0.3219

■ 58.5560, 0.3068,
0.3271

■ 63.4146, 0.3222,
0.3319

Harmonies

Analogous

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



33.4324, 0.2264, 0.3226



33.4324, 0.2131, 0.2751



33.4324, 0.2230, 0.2478

Triad

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



33.4324, 0.2131, 0.2751



33.4324, 0.3611, 0.2849



33.4324, 0.3666, 0.4288

Complementary

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



33.4324, 0.2131, 0.2751



16.9521, 0.5732, 0.3576

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.



33.4324, 0.4078, 0.4067



33.4324, 0.2131, 0.2751



33.4324, 0.4064, 0.3246

Square

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



33.4324, 0.2131, 0.2751



33.4324, 0.3045, 0.2556



33.4324, 0.4235, 0.3679



33.4324, 0.3130, 0.4204

Rectangle

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



33.4324, 0.2131, 0.2751



33.4324, 0.2420, 0.2417



33.4324, 0.4235, 0.3679



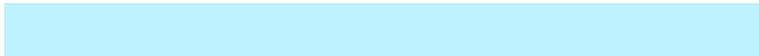
33.4324, 0.3824, 0.4242

Sweetspot

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



33.4336, 0.2131, 0.2751



82.0333, 0.2746, 0.3153



43.8706, 0.2924, 0.5542



17.0909, 0.2696, 0.3132



0.0000, 0.0000, 0.0000



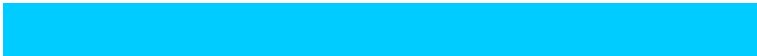
21.4041, 0.3127, 0.3290

Same Dimension

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



33.4336, 0.2131, 0.2751



50.5694, 0.2063, 0.2626



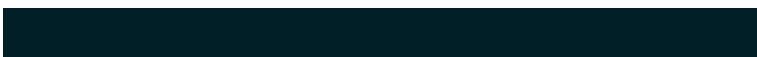
11.5192, 0.1758, 0.1355



12.3336, 0.2983, 0.3243



19.4708, 0.2068, 0.2645



1.1034, 0.2107, 0.2785

Inverse Universe

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



16.8232, 0.3670, 0.1889



25.6362, 0.3799, 0.1866



34.7012, 0.4682, 0.4508



11.3641, 0.3168, 0.3106



9.7686, 0.3780, 0.1856



0.5139, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 33.4324, 0.2131, 0.2751 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 33.4324, 0.2131, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

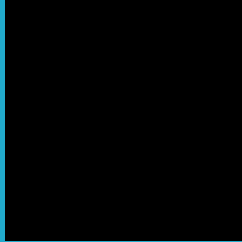
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4324, 0.2131, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 33.4324, 0.2131, 0.2751.

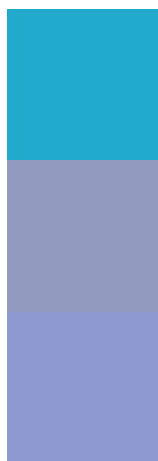


This preview shows how white text looks on a background with the Yxy color 33.4324, 0.2131, 0.2751.

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

33.4324, 0.2131, 0.2751

Protanopia

33.0280, 0.2733, 0.2742

Deuteranopia

32.9993, 0.2577, 0.2519



Tritanopia

33.4750, 0.2182, 0.3054

Trichromacy



Original Color

33.4324, 0.2131, 0.2751



Protanomaly

32.1304, 0.2415, 0.2736



Deuteranomaly

32.1260, 0.2332, 0.2571



Tritanomaly

33.4335, 0.2160, 0.2944

Monochromacy



Original Color

33.4324, 0.2131, 0.2751



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.6024, 0.2565, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4324, 0.2131, 0.2751 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(33, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(33, 170, 204)  
}
```

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(33, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 170, 204) }
```

Border

The CSS property to change the border of an element to Yxy 33.4324, 0.2131, 0.2751 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(33, 170, 204) }
```

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

```
.border{ border-color:rgb(33, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(33, 170,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4324, 0.2131, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 170, 204) }
```

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

```
.background{ background-color: rgb(33, 170,  
204) }
```

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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