

Converting Colors

$Y_{xy}(33.5216, 0.2168, 0.2835)$

Have a look what the booklet for
Yxy(33.5216, 0.2168, 0.2835)
contains.

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Color

Yxy(33.7005, 0.2170, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	28ABC7
RGB	40, 171, 199
RGB Percent	16%, 67%, 78%
CMY	0.8439, 0.3294, 0.2196
CMYK	0.80, 0.14, 0.00, 0.22
HSL	191°, 67%, 47%
HSV	191°, 80%, 78%
XYZ	25.7410, 33.7005, 59.1805
YIQ	135.0230, -87.0640, -19.0640

Conversions

Conversions Part 2

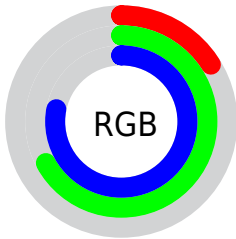
Format	Color
R_{YB}	40, 112, 199
Decimal	2665415
CIE _{Lab}	64.72, -24.46, -24.04
CIE _{LCh}	65, 34.292, 224.508
Yxy	33.7005, 0.2170, 0.2841
Android (android.graphics.Color)	4280855495 (0xFF28ABC7)
YUV	135.0230, 31.5407, -83.3352
Hunter-Lab	58.0521, -22.4423, -19.8059

Details

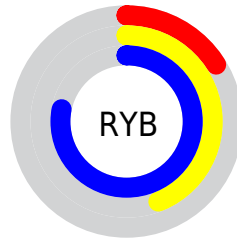
The Yxy color **33.7005, 0.2170, 0.2841** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **16.4043, 0.5628, 0.3552**, and the grayscale version is **24.1236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6689, 0.2352, 0.2951**, and **15.0012, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **32.0977, 0.2121, 0.2778**, and if you desaturate by 10%, it is **35.5456, 0.2238, 0.2904**.

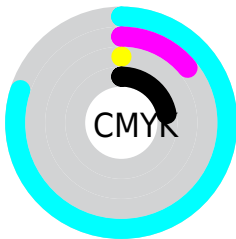
Distribution



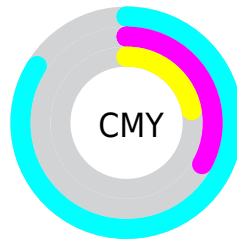
- Red (16%)
- Green (67%)
- Blue (78%)



- Red (16%)
- Yellow (44%)
- Blue (78%)



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7005, 0.2170, 0.2841 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 33.7005, 0.2170, 0.2841 by changing the saturation by 10% instead.

■ 33.7005, 0.2170,
0.2841

■ 33.7005, 0.2170,
0.2841

■ 318.7945, 0.2653,
0.3089

■ 22.6636, 0.2050,
0.2772

■ 65.4677, 0.2346,
0.2937

■ 14.3453, 0.1897,
0.2679

■ 86.9667, 0.2412,
0.2971

■ 8.3612, 0.1698,
0.2550

■ 112.7219, 0.2467,
0.2999

■ 4.3269, 0.1429,
0.2359

■ 143.1177, 0.2515,
0.3023

■ 1.8581, 0.1060,
0.2057

■ 178.5385, 0.2557,
0.3044

■ 0.5230, 0.0000,
0.1525

219.3686, 0.2593,

■ 0.0000, 0.0000,

0.3061

0.0000

265.9925, 0.2625,
0.3076

■ 33.7005, 0.2170,
0.2841

■ 33.7005, 0.2170,
0.2841

■ 32.0977, 0.2121,
0.2778

■ 35.5456, 0.2238,
0.2904

■ 30.6802, 0.2088,
0.2716

■ 37.6572, 0.2325,
0.2967

■ 30.6792, 0.2088,
0.2716

■ 40.0604, 0.2430,
0.3029

■ 42.7760, 0.2550,
0.3088

■ 45.8228, 0.2683,
0.3144

■ 49.2179, 0.2825,
0.3197

■ 52.9772, 0.2975,
0.3246

■ 57.1156, 0.3127,
0.3290

■ 61.6470, 0.3281,
0.3330

Harmonies

Analogous

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



33.7005, 0.2340, 0.3326



33.7005, 0.2170, 0.2841



33.7005, 0.2227, 0.2538

Triad

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



33.7005, 0.2170, 0.2841



33.7005, 0.3499, 0.2804



33.7005, 0.3732, 0.4233

Complementary

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



33.7005, 0.2170, 0.2841



16.4043, 0.5628, 0.3552

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.



33.7005, 0.4093, 0.3984



33.7005, 0.2170, 0.2841



33.7005, 0.3968, 0.3176

Square

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



33.7005, 0.2170, 0.2841



33.7005, 0.2954, 0.2544



33.7005, 0.4189, 0.3595



33.7005, 0.3226, 0.4208

Rectangle

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



33.7005, 0.2170, 0.2841



33.7005, 0.2386, 0.2453



33.7005, 0.4189, 0.3595



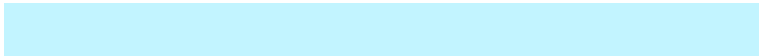
33.7005, 0.3875, 0.4174

Sweetspot

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



33.7017, 0.2170, 0.2841



83.5089, 0.2762, 0.3174



41.6918, 0.2930, 0.5482



17.4200, 0.2711, 0.3155



0.0000, 0.0000, 0.0000



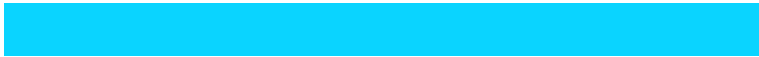
21.4041, 0.3127, 0.3290

Same Dimension

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



33.7017, 0.2170, 0.2841



54.3533, 0.2096, 0.2732



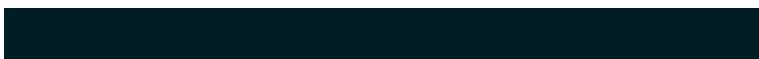
12.3778, 0.1815, 0.1490



11.7380, 0.2984, 0.3248



19.8423, 0.2090, 0.2724



1.0252, 0.2126, 0.2854

Inverse Universe

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



16.5880, 0.3585, 0.1878



26.2329, 0.3697, 0.1822



32.8328, 0.4650, 0.4463



10.7834, 0.3164, 0.3102



9.5431, 0.3705, 0.1815



0.4605, 0.3585, 0.1748

Previews

White Background



This preview shows how the Yxy color 33.7005, 0.2170, 0.2841 looks on a white background.

Color Contrast Check

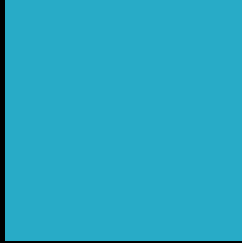
Large Text (above 18pt) WCAG AA × Fail

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 33.7005, 0.2170, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

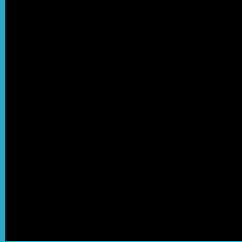
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7005, 0.2170, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 33.7005, 0.2170, 0.2841.

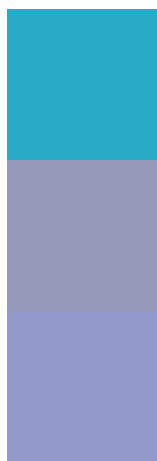


This preview shows how white text looks on a background with the Yxy color 33.7005, 0.2170, 0.2841.

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

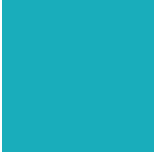
33.7005, 0.2170, 0.2841

Protanopia

33.0886, 0.2798, 0.2812

Deuteranopia

33.2053, 0.2651, 0.2587



Tritanopia

33.6817, 0.2206, 0.3056

Trichromacy



Original Color

33.7005, 0.2170, 0.2841



Protanomaly

32.1544, 0.2471, 0.2810



Deuteranomaly

32.5317, 0.2393, 0.2657



Tritanomaly

33.5427, 0.2191, 0.2976

Monochromacy



Original Color

33.7005, 0.2170, 0.2841



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.3578, 0.2601, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7005, 0.2170, 0.2841 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(40, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(40, 171, 199)  
}
```

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(40, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 171, 199) }
```

Border

The CSS property to change the border of an element to Yxy 33.7005, 0.2170, 0.2841 is called "border". The border property can be set on classes, ids or directly on the HTML element.

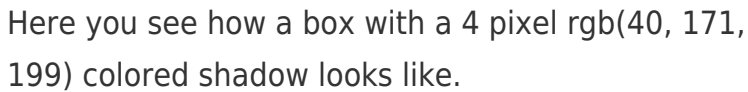
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(40, 171, 199) }
```

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

```
.border{ border-color:rgb(40, 171, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(40, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(40, 171,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7005, 0.2170, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 171, 199) }
```

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

```
.background{ background-color: rgb(40, 171,  
199) }
```

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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