

Converting Colors

$Y_{xy}(33.2284, 0.2105, 0.2709)$

Have a look what the booklet for
Yxy(33.2284, 0.2105, 0.2709)
contains.

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Color

Yxy(33.3878, 0.2108, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	17AACE
RGB	23, 170, 206
RGB Percent	9%, 67%, 81%
CMY	0.9086, 0.3334, 0.1921
CMYK	0.89, 0.17, 0.00, 0.19
HSL	192°, 80%, 45%
HSV	192°, 89%, 81%
XYZ	25.8755, 33.3878, 63.4859
YIQ	130.1510, -99.1680, -19.9680

Conversions

Conversions Part 2

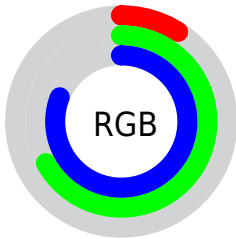
Format	Color
R_{YB}	23, 105, 206
Decimal	1551054
CIE _{Lab}	64.47, -22.81, -28.34
CIE _{LCh}	64, 36.379, 231.163
Yxy	33.3878, 0.2108, 0.2720
Android (android.graphics.Color)	4279741134 (0xFF17AACE)
YUV	130.1510, 37.3936, -93.9714
Hunter-Lab	57.7822, -21.1844, -24.6951

Details

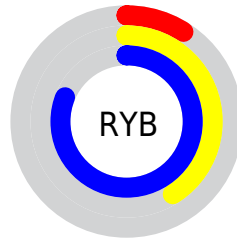
The Yxy color **33.3878, 0.2108, 0.2720** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.3517, 0.5900, 0.3547**, and the grayscale version is **22.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1962, 0.2325, 0.2924**, and **15.2239, 0.2046, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **31.7208, 0.2071, 0.2649**, and if you desaturate by 10%, it is **35.2836, 0.2162, 0.2792**.

Distribution



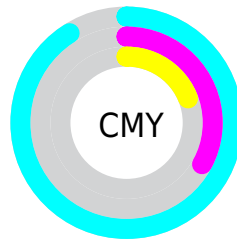
- Red (9%)
- Green (67%)
- Blue (81%)



- Red (9%)
- Yellow (41%)
- Blue (81%)



- Cyan (89%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)




- Cyan (91%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3878, 0.2108, 0.2720 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 33.3878, 0.2108, 0.2720 by changing the saturation by 10% instead.


 33.3878, 0.2108,
0.2720


 33.3878, 0.2108,
0.2720


317.3936, 0.2620,
0.3031


 22.4237, 0.1982,
0.2636


 64.9805, 0.2293,
0.2838

 14.1686, 0.1823,
0.2524


 86.3779, 0.2363,
0.2881

 8.2380, 0.1616,
0.2371

 112.0218, 0.2423,
0.2917

 4.2476, 0.1342,
0.2150

 142.2967, 0.2473,
0.2947

 1.8130, 0.0974,
0.1816

 177.5869, 0.2518,
0.2972

 0.4953, 0.0000,
0.1237

218.2769, 0.2556,

 0.0000, 0.0000,

0.2994

0.0000

264.7510, 0.2590,
0.3014

■ 33.3878, 0.2108,
0.2720

■ 33.3878, 0.2108,
0.2720

■ 31.7208, 0.2071,
0.2649

■ 35.2836, 0.2162,
0.2792

■ 31.5092, 0.2067,
0.2640

■ 37.4518, 0.2235,
0.2864

■ 39.9235, 0.2328,
0.2935

■ 42.7244, 0.2437,
0.3004

■ 45.8768, 0.2562,
0.3071

■ 49.4011, 0.2698,
0.3134

■ 53.3159, 0.2843,
0.3193

■ 57.6385, 0.2994,
0.3247

■ 62.3849, 0.3147,
0.3296

Harmonies

Analogous

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



33.3878, 0.2233, 0.3199



33.3878, 0.2108, 0.2720



33.3878, 0.2220, 0.2452

Triad

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



33.3878, 0.2108, 0.2720



33.3878, 0.3647, 0.2854



33.3878, 0.3655, 0.4318

Complementary

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



33.3878, 0.2108, 0.2720



16.3517, 0.5900, 0.3547

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.



33.3878, 0.4087, 0.4098



33.3878, 0.2108, 0.2720



33.3878, 0.4102, 0.3262

Square

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



33.3878, 0.2108, 0.2720



33.3878, 0.3067, 0.2550



33.3878, 0.4263, 0.3705



33.3878, 0.3104, 0.4217

Rectangle

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



33.3878, 0.2108, 0.2720



33.3878, 0.2419, 0.2396



33.3878, 0.4263, 0.3705



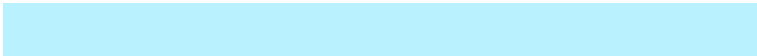
33.3878, 0.3820, 0.4274

Sweetspot

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



33.3890, 0.2108, 0.2720



80.8388, 0.2718, 0.3142



44.6322, 0.2931, 0.5647



16.8592, 0.2669, 0.3121



0.0000, 0.0000, 0.0000



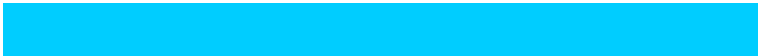
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3890, 0.2108, 0.2720



50.7451, 0.2064, 0.2631



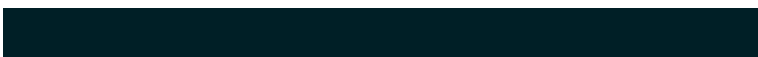
10.5537, 0.1707, 0.1246



12.3365, 0.2983, 0.3243



19.5363, 0.2070, 0.2650



1.1063, 0.2108, 0.2789

Inverse Universe

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



16.6522, 0.3703, 0.1867



25.6539, 0.3794, 0.1864



34.4194, 0.4754, 0.4516



11.3643, 0.3167, 0.3106



9.7752, 0.3776, 0.1854



0.5142, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 33.3878, 0.2108, 0.2720 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 33.3878, 0.2108, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

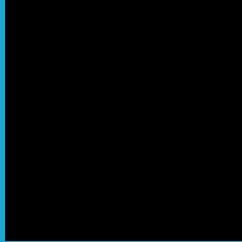
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3878, 0.2108, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 33.3878, 0.2108, 0.2720.

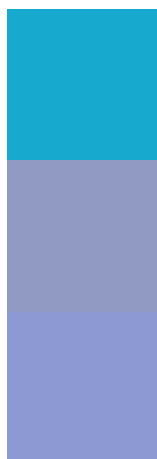


This preview shows how white text looks on a background with the Yxy color 33.3878, 0.2108, 0.2720.

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

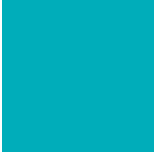
33.3878, 0.2108, 0.2720

Protanopia

33.0260, 0.2710, 0.2714

Deuteranopia

33.0111, 0.2556, 0.2493



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



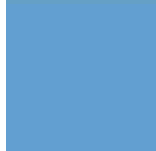
Original Color

33.3878, 0.2108, 0.2720



Protanomaly

31.9855, 0.2379, 0.2705



Deuteranomaly

31.9964, 0.2299, 0.2541



Tritanomaly

33.4069, 0.2157, 0.2943

Monochromacy



Original Color

33.3878, 0.2108, 0.2720



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.9436, 0.2525, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3878, 0.2108, 0.2720 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(23, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(23, 170, 206)  
}
```

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(23, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 170, 206) }
```

Border

The CSS property to change the border of an element to Yxy 33.3878, 0.2108, 0.2720 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(23, 170, 206) }
```

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

```
.border{ border-color:rgb(23, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(23, 170,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3878, 0.2108, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 170, 206) }
```

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

```
.background{ background-color: rgb(23, 170,  
206) }
```

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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