

Converting Colors

$Y_{xy}(33.7996, 0.2161, 0.2851)$

Have a look what the booklet for
Yxy(33.7996, 0.2161, 0.2851)
contains.

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Color

Yxy(33.9687, 0.2163, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	22ACC7
RGB	34, 172, 199
RGB Percent	13%, 67%, 78%
CMY	0.8660, 0.3255, 0.2195
CMYK	0.83, 0.14, 0.00, 0.22
HSL	190°, 71%, 46%
HSV	190°, 83%, 78%
XYZ	25.7263, 33.9687, 59.2430
YIQ	133.8160, -90.9150, -20.8590

Conversions

Conversions Part 2

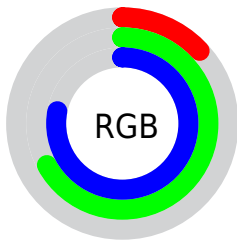
Format	Color
R_{YB}	34, 109, 199
Decimal	2272455
CIE _{Lab}	64.94, -25.44, -23.73
CIE _{LCh}	65, 34.786, 223.009
Yxy	33.9687, 0.2163, 0.2856
Android (android.graphics.Color)	4280462535 (0xFF22ACC7)
YUV	133.8160, 32.1357, -87.5386
Hunter-Lab	58.2827, -23.2038, -19.4691

Details

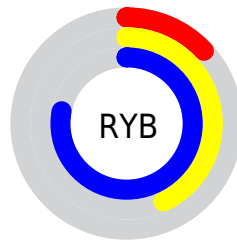
The Yxy color **33.9687, 0.2163, 0.2856** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **15.6192, 0.5757, 0.3522**, and the grayscale version is **23.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0218, 0.2344, 0.2963**, and **15.2380, 0.2088, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **32.4958, 0.2121, 0.2798**, and if you desaturate by 10%, it is **35.6703, 0.2224, 0.2915**.

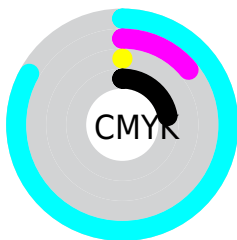
Distribution



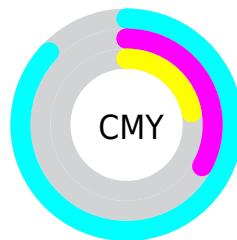
- Red (13%)
- Green (67%)
- Blue (78%)



- Red (13%)
- Yellow (43%)
- Blue (78%)



- Cyan (83%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)




- Cyan (87%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9687, 0.2163, 0.2856 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 33.9687, 0.2163, 0.2856 by changing the saturation by 10% instead.

 33.9687, 0.2163,
0.2856


 33.9687, 0.2163,
0.2856


319.9925, 0.2649,
0.3097


 22.8696, 0.2043,
0.2789


 65.8850, 0.2339,
0.2949


 14.4972, 0.1889,
0.2698


 87.4709, 0.2406,
0.2982


 8.4673, 0.1689,
0.2572


 113.3213, 0.2462,
0.3010

 4.3954, 0.1421,
0.2385

 143.8204, 0.2510,
0.3033

 1.8971, 0.1052,
0.2089

 179.3526, 0.2552,
0.3053

 0.5466, 0.0000,
0.1579

220.3025, 0.2588,

 0.0000, 0.0000,

0.3069

0.0000

267.0543, 0.2621,
0.3084

■ 33.9687, 0.2163,
0.2856

■ 33.9687, 0.2163,
0.2856

■ 32.4958, 0.2121,
0.2798

■ 35.6703, 0.2224,
0.2915

■ 31.5394, 0.2099,
0.2756

■ 37.6267, 0.2304,
0.2973

■ 39.8637, 0.2402,
0.3031

■ 42.4030, 0.2517,
0.3086

■ 45.2637, 0.2645,
0.3140

■ 48.4634, 0.2785,
0.3190

■ 52.0182, 0.2932,
0.3236

■ 55.9433, 0.3084,
0.3279

■ 60.2527, 0.3238,
0.3317

Harmonies

Analogous

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



33.9687, 0.2346, 0.3353



33.9687, 0.2163, 0.2856



33.9687, 0.2209, 0.2540

Triad

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



33.9687, 0.2163, 0.2856



33.9687, 0.3476, 0.2783



33.9687, 0.3762, 0.4236

Complementary

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



33.9687, 0.2163, 0.2856



15.6192, 0.5757, 0.3522

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.



33.9687, 0.4116, 0.3973



33.9687, 0.2163, 0.2856



33.9687, 0.3959, 0.3154

Square

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



33.9687, 0.2163, 0.2856



33.9687, 0.2926, 0.2527



33.9687, 0.4198, 0.3576



33.9687, 0.3254, 0.4229

Rectangle

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



33.9687, 0.2163, 0.2856



33.9687, 0.2362, 0.2447



33.9687, 0.4198, 0.3576



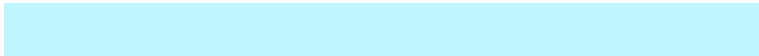
33.9687, 0.3903, 0.4172

Sweetspot

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



33.9699, 0.2163, 0.2856



83.3613, 0.2749, 0.3177



41.5122, 0.2942, 0.5581



17.4123, 0.2699, 0.3159



0.0000, 0.0000, 0.0000



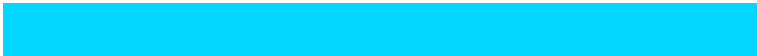
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9699, 0.2163, 0.2856



55.1354, 0.2099, 0.2754



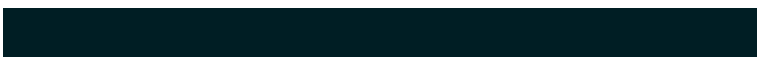
12.0986, 0.1793, 0.1467



11.7601, 0.2984, 0.3251



20.3859, 0.2101, 0.2764



1.0464, 0.2135, 0.2885

Inverse Universe

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



16.2766, 0.3574, 0.1842



26.1508, 0.3677, 0.1802



31.4054, 0.4730, 0.4445



10.7856, 0.3162, 0.3099



9.5980, 0.3668, 0.1794



0.4627, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 33.9687, 0.2163, 0.2856 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 33.9687, 0.2163, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

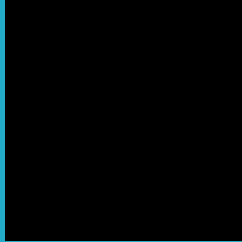
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9687, 0.2163, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 33.9687, 0.2163, 0.2856.

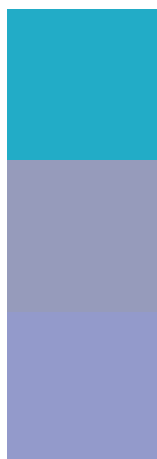


This preview shows how white text looks on a background with the Yxy color 33.9687, 0.2163, 0.2856.

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

33.9687, 0.2163, 0.2856

Protanopia

33.5146, 0.2807, 0.2828

Deuteranopia

33.6260, 0.2661, 0.2603



Tritanopia

34.0045, 0.2194, 0.3056

Trichromacy



Original Color

33.9687, 0.2163, 0.2856

Protanomaly

32.4395, 0.2467, 0.2825

Deuteranomaly

32.8182, 0.2389, 0.2672

Tritanomaly

33.8635, 0.2179, 0.2977

Monochromacy



Original Color

33.9687, 0.2163, 0.2856

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

26.2451, 0.2586, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9687, 0.2163, 0.2856 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(34, 172, 199)` looks like.

```
.text, #text, p{  
    color:rgb(34, 172, 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(34, 172, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 172, 199) }
```

Border

The CSS property to change the border of an element to Yxy 33.9687, 0.2163, 0.2856 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(34, 172, 199) }
```

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

```
.border{ border-color:rgb(34, 172, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 172, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 172, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 172, 199);  
box-shadow:4px 4px 4px 4px rgb(34, 172,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9687, 0.2163, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 172, 199) }
```

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

```
.background{ background-color: rgb(34, 172,  
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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