

Converting Colors

$Y_{xy}(27.0820, 0.1264, 0.2712)$

Have a look what the booklet for
Yxy(27.0820, 0.1264, 0.2712)
contains.

Yxy(33.7693, 0.2114, 0.2809)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.7693, 0.2114, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	00ACCA
RGB	0, 172, 202
RGB Percent	0%, 67%, 79%
CMY	0.9981, 0.3255, 0.2080
CMYK	1.00, 0.15, 0.00, 0.21
HSL	189°, 100%, 40%
HSV	189°, 100%, 79%
XYZ	25.4141, 33.7693, 61.0348
YIQ	123.9920, -112.1420, -27.1340

Conversions

Conversions Part 2

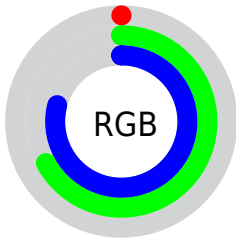
Format	Color
RYB	0, 93, 202
Decimal	44234
CIELab	64.78, -26.07, -25.63
CIELCh	65, 36.558, 224.517
Yxy	33.7693, 0.2114, 0.2809
Android (android.graphics.Color)	4278234314 (0xFF00ACCA)
YUV	123.9920, 38.4579, -108.7410
Hunter-Lab	58.1114, -23.6306, -21.5948

Details

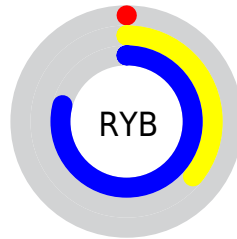
The Yxy color **33.7693, 0.2114, 0.2809** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.5051, 0.6262, 0.3407**, and the grayscale version is **20.1007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4735, 0.2313, 0.2960**, and **15.3318, 0.2073, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **33.7395, 0.2113, 0.2808**, and if you desaturate by 10%, it is **35.0799, 0.2144, 0.2861**.

Distribution



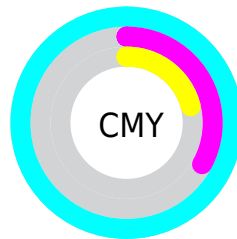
- Red (0%)
- Green (67%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)




- Cyan (100%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7693, 0.2114, 0.2809 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 33.7693, 0.2114, 0.2809 by changing the saturation by 10% instead.

 33.7693, 0.2114,
0.2809


 33.7693, 0.2114,
0.2809


319.1021, 0.2623,
0.3075

 22.7164, 0.1989,
0.2735


 65.5748, 0.2298,
0.2911

 14.3843, 0.1830,
0.2636


 87.0961, 0.2368,
0.2948

 8.3884, 0.1623,
0.2499


 112.8758, 0.2427,
0.2979

 4.3445, 0.1349,
0.2297

 143.2981, 0.2477,
0.3004

 1.8681, 0.0978,
0.1982

 178.7475, 0.2521,
0.3026

 0.5291, 0.0000,
0.1434

219.6084, 0.2560,

 0.0000, 0.0000,

0.3045

0.0000

266.2651, 0.2593,
0.3061

■ 33.7693, 0.2114,
0.2809

■ 33.7693, 0.2114,
0.2809

■ 33.7395, 0.2113,
0.2808

■ 35.0799, 0.2144,
0.2861

■ 36.5754, 0.2190,
0.2914

■ 38.3098, 0.2254,
0.2967

■ 40.3118, 0.2338,
0.3019

■ 42.6059, 0.2440,
0.3071

■ 45.2136, 0.2557,
0.3120

■ 48.1542, 0.2688,
0.3168

■ 51.4453, 0.2829,
0.3212

■ 55.1033, 0.2978,
0.3253

Harmonies

Analogous

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



33.7693, 0.2291, 0.3325



33.7693, 0.2114, 0.2809



33.7693, 0.2174, 0.2491

Triad

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



33.7693, 0.2114, 0.2809



33.7693, 0.3522, 0.2775



33.7693, 0.3767, 0.4293

Complementary

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



33.7693, 0.2114, 0.2809



13.5051, 0.6262, 0.3407

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.



33.7693, 0.4153, 0.4022



33.7693, 0.2114, 0.2809



33.7693, 0.4023, 0.3166

Square

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



33.7693, 0.2114, 0.2809



33.7693, 0.2942, 0.2501



33.7693, 0.4258, 0.3608



33.7693, 0.3229, 0.4273

Rectangle

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



33.7693, 0.2114, 0.2809



33.7693, 0.2341, 0.2403



33.7693, 0.4258, 0.3608



33.7693, 0.3919, 0.4228

Sweetspot

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



33.7705, 0.2114, 0.2809



81.2178, 0.2679, 0.3165



42.3097, 0.2972, 0.5898



16.9166, 0.2622, 0.3145



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.



33.7705, 0.2114, 0.2809



56.8819, 0.2111, 0.2801



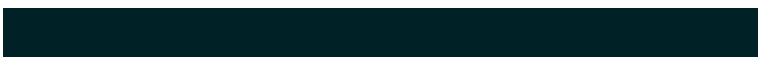
9.2125, 0.1657, 0.1162



12.4316, 0.2983, 0.3255



21.8220, 0.2115, 0.2815



1.2050, 0.2144, 0.2917

Inverse Universe

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



15.5412, 0.3626, 0.1772



26.2734, 0.3634, 0.1776



28.0157, 0.5026, 0.4389



11.3739, 0.3160, 0.3095



10.0059, 0.3621, 0.1768



0.5242, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 33.7693, 0.2114, 0.2809 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 33.7693, 0.2114, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

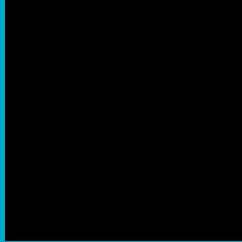
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7693, 0.2114, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 33.7693, 0.2114, 0.2809.

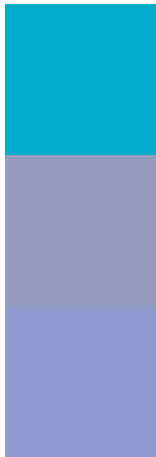


This preview shows how white text looks on a background with the Yxy color 33.7693, 0.2114, 0.2809.

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

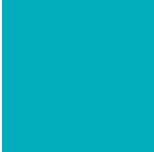
33.7693, 0.2114, 0.2809

Protanopia

33.4563, 0.2767, 0.2786

Deuteranopia

33.4967, 0.2616, 0.2562



Tritanopia

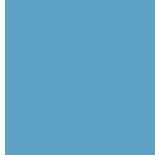
33.8600, 0.2187, 0.3071

Trichromacy



Original Color

33.7693, 0.2114, 0.2809



Protanomaly

31.7645, 0.2365, 0.2772



Deuteranomaly

32.1728, 0.2294, 0.2619



Tritanomaly

33.6929, 0.2160, 0.2976

Monochromacy



Original Color

33.7693, 0.2114, 0.2809



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.9790, 0.2470, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7693, 0.2114, 0.2809 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(0, 172, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 202)  
}
```

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(0, 172, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 202) }
```

Border

The CSS property to change the border of an element to Yxy 33.7693, 0.2114, 0.2809 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(0, 172, 202) }
```

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

```
.border{ border-color:rgb(0, 172, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7693, 0.2114, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 202) }
```

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

```
.background{ background-color: rgb(0, 172,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor