

Converting Colors

$Y_{xy}(32.3878, 0.2095, 0.2711)$

Have a look what the booklet for
Yxy(32.3878, 0.2095, 0.2711)
contains.

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Color

Yxy(32.4431, 0.2095, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	0CA8CC
RGB	12, 168, 204
RGB Percent	5%, 66%, 80%
CMY	0.9541, 0.3412, 0.1999
CMYK	0.94, 0.18, 0.00, 0.20
HSL	191°, 89%, 42%
HSV	191°, 94%, 80%
XYZ	25.0528, 32.4431, 62.0879
YIQ	125.4600, -104.5320, -21.8760

Conversions

Conversions Part 2

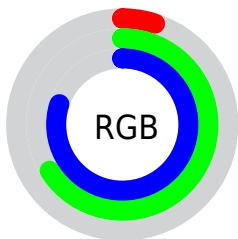
Format	Color
R _{YB}	12, 98, 204
Decimal	829644
CIE _{Lab}	63.71, -22.98, -28.42
CIE _{LCh}	64, 36.551, 231.041
Yxy	32.4431, 0.2095, 0.2713
Android (android.graphics.Color)	4279019724 (0xFF0CA8CC)
YUV	125.4600, 38.7202, -99.5044
Hunter-Lab	56.9588, -21.1664, -24.7578

Details

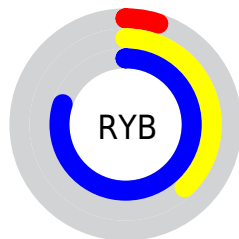
The Yxy color **32.4431, 0.2095, 0.2713** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.9594, 0.6075, 0.3492**, and the grayscale version is **20.5350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9384, 0.2309, 0.2898**, and **14.6928, 0.2043, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **31.5657, 0.2076, 0.2675**, and if you desaturate by 10%, it is **34.1090, 0.2137, 0.2780**.

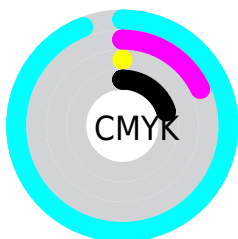
Distribution



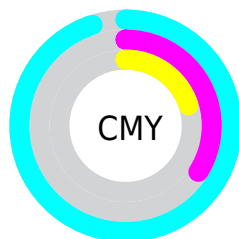
- Red (5%)
- Green (66%)
- Blue (80%)



- Red (5%)
- Yellow (38%)
- Blue (80%)



- Cyan (94%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (95%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4431, 0.2095, 0.2713 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 32.4431, 0.2095, 0.2713 by changing the saturation by 10% instead.

■ 32.4431, 0.2095,
0.2713

■ 32.4431, 0.2095,
0.2713

■ 313.1328, 0.2616,
0.3029

■ 21.7002, 0.1966,
0.2627

■ 63.5051, 0.2284,
0.2834

■ 13.6368, 0.1804,
0.2512

■ 84.5929, 0.2355,
0.2877

■ 7.8685, 0.1592,
0.2354

■ 109.8979, 0.2415,
0.2913

■ 4.0109, 0.1311,
0.2127

■ 139.8043, 0.2467,
0.2944

■ 1.6797, 0.0935,
0.1780

■ 174.6966, 0.2512,
0.2970

■ 0.4104, 0.0000,
0.1104

214.9592, 0.2551,

■ 0.0000, 0.0000,

0.2992

0.0000

260.9765, 0.2585,
0.3012

■ 32.4431, 0.2095,
0.2713

■ 32.4431, 0.2095,
0.2713

■ 31.5657, 0.2076,
0.2675

■ 34.1090, 0.2137,
0.2780

■ 36.0178, 0.2199,
0.2848

■ 38.2033, 0.2279,
0.2916

■ 40.6924, 0.2378,
0.2983

■ 43.5088, 0.2493,
0.3047

■ 46.6731, 0.2623,
0.3109

■ 50.2045, 0.2762,
0.3167

■ 54.1204, 0.2910,
0.3221

■ 58.4371, 0.3062,
0.3270

Harmonies

Analogous

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



32.4431, 0.2222, 0.3199



32.4431, 0.2095, 0.2713



32.4431, 0.2207, 0.2441

Triad

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



32.4431, 0.2095, 0.2713



32.4431, 0.3652, 0.2847



32.4431, 0.3664, 0.4332

Complementary

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



32.4431, 0.2095, 0.2713



14.9594, 0.6075, 0.3492

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.



32.4431, 0.4101, 0.4107



32.4431, 0.2095, 0.2713



32.4431, 0.4115, 0.3259

Square

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



32.4431, 0.2095, 0.2713



32.4431, 0.3064, 0.2539



32.4431, 0.4279, 0.3707



32.4431, 0.3105, 0.4233

Rectangle

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



32.4431, 0.2095, 0.2713



32.4431, 0.2408, 0.2385



32.4431, 0.4279, 0.3707



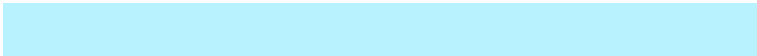
32.4431, 0.3830, 0.4287

Sweetspot

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



32.4442, 0.2095, 0.2713



80.6426, 0.2704, 0.3144



43.4819, 0.2943, 0.5748



16.7214, 0.2643, 0.3118



0.0000, 0.0000, 0.0000



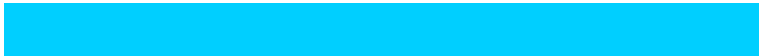
21.4041, 0.3127, 0.3290

Same Dimension

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



32.4442, 0.2095, 0.2713



51.9591, 0.2074, 0.2666



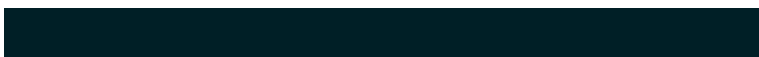
9.1506, 0.1660, 0.1133



12.3558, 0.2983, 0.3246



19.9889, 0.2079, 0.2684



1.1260, 0.2115, 0.2815

Inverse Universe

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



15.9250, 0.3713, 0.1842



25.7764, 0.3760, 0.1845



32.5508, 0.4825, 0.4511



11.3663, 0.3166, 0.3104



9.8209, 0.3743, 0.1836



0.5162, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 32.4431, 0.2095, 0.2713 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 32.4431, 0.2095, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

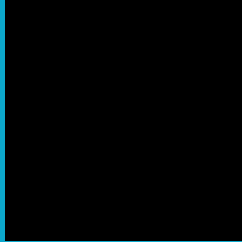
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4431, 0.2095, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 32.4431, 0.2095, 0.2713.

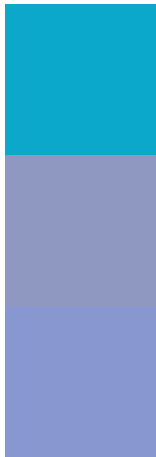


This preview shows how white text looks on a background with the Yxy color 32.4431, 0.2095, 0.2713.

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

32.4431, 0.2095, 0.2713

Protanopia

32.1019, 0.2705, 0.2708

Deuteranopia

32.0056, 0.2542, 0.2483



Tritanopia

32.2101, 0.2181, 0.3051

Trichromacy



Original Color

32.4431, 0.2095, 0.2713



Protanomaly

30.8721, 0.2349, 0.2695



Deuteranomaly

30.8431, 0.2265, 0.2528



Tritanomaly

32.1633, 0.2148, 0.2922

Monochromacy



Original Color

32.4431, 0.2095, 0.2713



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.2677, 0.2491, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4431, 0.2095, 0.2713 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(12, 168, 204)` looks like.

```
.text, #text, p{  
    color:rgb(12, 168, 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(12, 168, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 168, 204) }
```

Border

The CSS property to change the border of an element to Yxy 32.4431, 0.2095, 0.2713 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(12, 168, 204) }
```

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

```
.border{ border-color:rgb(12, 168, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 168, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(12, 168, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(12, 168, 204); box-shadow:4px 4px 4px 4px rgb(12, 168, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4431, 0.2095, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 168, 204) }
```

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

```
.background{ background-color: rgb(12, 168,  
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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