

Converting Colors

$Y_{xy}(32.2066, 0.2153, 0.2847)$

Have a look what the booklet for
Yxy(32.2066, 0.2153, 0.2847)
contains.

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Color

Yxy(32.2066, 0.2153, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	1DA8C3
RGB	29, 168, 195
RGB Percent	11%, 66%, 76%
CMY	0.8869, 0.3411, 0.2353
CMYK	0.85, 0.14, 0.00, 0.24
HSL	190°, 74%, 44%
HSV	190°, 85%, 76%
XYZ	24.3557, 32.2066, 56.5623
YIQ	129.5170, -91.5110, -21.0710

Conversions

Conversions Part 2

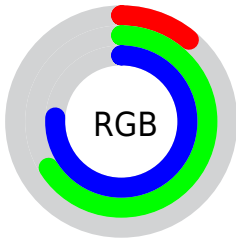
Format	Color
RYB	29, 105, 195
Decimal	1943747
CIELab	63.51, -25.15, -23.68
CIElCh	64, 34.543, 223.284
Yxy	32.2066, 0.2153, 0.2847
Android (android.graphics.Color)	4280133827 (0xFF1DA8C3)
YUV	129.5170, 32.2831, -88.1534
Hunter-Lab	56.7509, -22.7072, -19.3675

Details

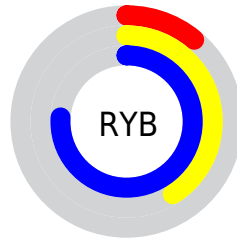
The Yxy color **32.2066, 0.2153, 0.2847** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.5014, 0.5841, 0.3510**, and the grayscale version is **22.0359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9294, 0.2331, 0.2933**, and **14.4139, 0.2091, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **30.8537, 0.2115, 0.2790**, and if you desaturate by 10%, it is **33.7694, 0.2209, 0.2905**.

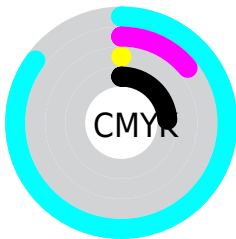
Distribution



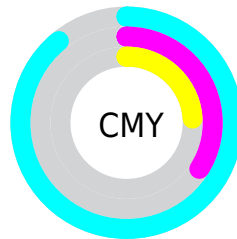
- Red (11%)
- Green (66%)
- Blue (76%)



- Red (11%)
- Yellow (41%)
- Blue (76%)



- Cyan (85%)
- Magenta (14%)
- Yellow (0%)
- Black (24%)





- Cyan (89%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2066, 0.2153, 0.2847 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 32.2066, 0.2153, 0.2847 by changing the saturation by 10% instead.


 32.2066, 0.2153,
0.2847

 32.2066, 0.2153,
0.2847


312.0593, 0.2648,
0.3095

 21.5194, 0.2029,
0.2777


 63.1348, 0.2334,
0.2943


 13.5042, 0.1871,
0.2683


 84.1446, 0.2401,
0.2977


 7.7766, 0.1664,
0.2550


 109.3640, 0.2459,
0.3006

 3.9523, 0.1384,
0.2351

 139.1774, 0.2507,
0.3029

 1.6469, 0.0998,
0.2034

 173.9693, 0.2550,
0.3049

 0.3889, 0.0000,
0.1317

214.1240, 0.2587,

 0.0000, 0.0000,

0.3067

0.0000

260.0258, 0.2619,
0.3082

■ 32.2066, 0.2153,
0.2847

■ 32.2066, 0.2153,
0.2847

■ 30.8537, 0.2115,
0.2790

■ 33.7694, 0.2209,
0.2905

■ 30.2505, 0.2101,
0.2762

■ 35.5685, 0.2285,
0.2963

■ 37.6294, 0.2379,
0.3020

■ 39.9732, 0.2489,
0.3076

■ 42.6186, 0.2615,
0.3129

■ 45.5827, 0.2751,
0.3179

■ 48.8811, 0.2897,
0.3226

■ 52.5283, 0.3047,
0.3269

■ 56.5381, 0.3201,
0.3308

Harmonies

Analogous

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



32.2066, 0.2335, 0.3348



32.2066, 0.2153, 0.2847



32.2066, 0.2201, 0.2530

Triad

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



32.2066, 0.2153, 0.2847



32.2066, 0.3485, 0.2781



32.2066, 0.3763, 0.4248

Complementary

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



32.2066, 0.2153, 0.2847



14.5014, 0.5841, 0.3510

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.



32.2066, 0.4124, 0.3982



32.2066, 0.2153, 0.2847



32.2066, 0.3971, 0.3156

Square

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



32.2066, 0.2153, 0.2847



32.2066, 0.2928, 0.2521



32.2066, 0.4210, 0.3582



32.2066, 0.3249, 0.4238

Rectangle

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



32.2066, 0.2153, 0.2847



32.2066, 0.2358, 0.2438



32.2066, 0.4210, 0.3582



32.2066, 0.3907, 0.4183

Sweetspot

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



32.2078, 0.2153, 0.2847



80.9764, 0.2735, 0.3173



39.5534, 0.2944, 0.5632



17.3130, 0.2685, 0.3156



0.0000, 0.0000, 0.0000



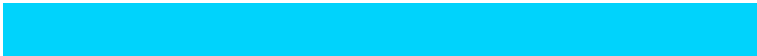
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2078, 0.2153, 0.2847



53.8662, 0.2098, 0.2754



11.0140, 0.1769, 0.1416



11.1408, 0.2984, 0.3252



19.7649, 0.2103, 0.2770



0.9301, 0.2138, 0.2898

Inverse Universe

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



15.3003, 0.3584, 0.1827



25.5050, 0.3678, 0.1800



29.5365, 0.4769, 0.4450



10.2185, 0.3162, 0.3099



9.2775, 0.3662, 0.1791



0.4085, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 32.2066, 0.2153, 0.2847 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 32.2066, 0.2153, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

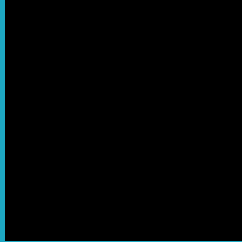
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2066, 0.2153, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 32.2066, 0.2153, 0.2847.

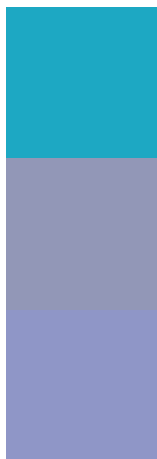


This preview shows how white text looks on a background with the Yxy color 32.2066, 0.2153, 0.2847.

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

32.2066, 0.2153, 0.2847

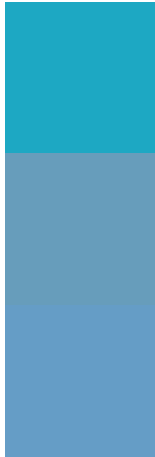
Protanopia

31.6631, 0.2800, 0.2817

Deuteranopia

31.7759, 0.2651, 0.2588

Trichromacy



Original Color

32.2066, 0.2153, 0.2847

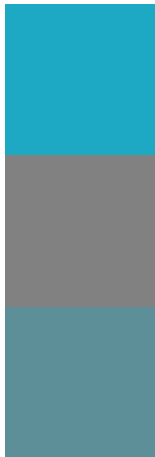
Protanomaly

30.5854, 0.2449, 0.2813

Deuteranomaly

30.9579, 0.2370, 0.2657

Monochromacy



Original Color

32.2066, 0.2153, 0.2847

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

24.2720, 0.2571, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2066, 0.2153, 0.2847 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(29, 168, 195)` looks like.

```
.text, #text, p{  
    color:rgb(29, 168, 195)  
}
```

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(29, 168, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 168, 195) }
```

Border

The CSS property to change the border of an element to Yxy 32.2066, 0.2153, 0.2847 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(29, 168, 195) }
```

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

```
.border{ border-color:rgb(29, 168, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 168, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 168, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 168, 195);  
box-shadow:4px 4px 4px 4px rgb(29, 168,  
195) }
```

Background

The CSS property to change the background color of an element to Yxy 32.2066, 0.2153, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 168, 195) }
```

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

```
.background{ background-color: rgb(29, 168,  
195) }
```

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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