

Converting Colors

$Y_{xy}(30.7647, 0.2219, 0.3072)$

Have a look what the booklet for
Yxy(30.7647, 0.2219, 0.3072)
contains.

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Color

Yxy(30.7883, 0.2217, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	1DA6B3
RGB	29, 166, 179
RGB Percent	11%, 65%, 70%
CMY	0.8867, 0.3490, 0.2980
CMYK	0.84, 0.07, 0.00, 0.30
HSL	185°, 72%, 41%
HSV	185°, 84%, 70%
XYZ	22.2773, 30.7883, 47.4184
YIQ	126.5190, -85.8250, -25.0010

Conversions

Conversions Part 2

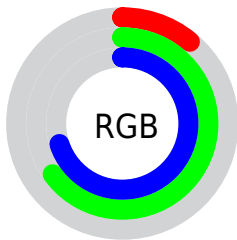
Format	Color
R_{YB}	29, 101, 179
Decimal	1943219
CIE _{Lab}	62.33, -29.34, -16.55
CIE _{LCh}	62, 33.688, 209.421
Yxy	30.7883, 0.2217, 0.3064
Android (android.graphics.Color)	4280133299 (0xFF1DA6B3)
YUV	126.5190, 25.8731, -85.5242
Hunter-Lab	55.4872, -25.4375, -11.8272

Details

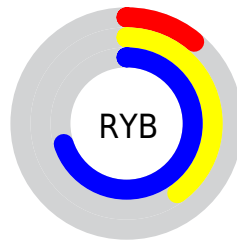
The Yxy color **30.7883, 0.2217, 0.3064** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.3206, 0.5903, 0.3403**, and the grayscale version is **20.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6541, 0.2387, 0.3109**, and **13.5410, 0.2166, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **30.0407, 0.2185, 0.3035**, and if you desaturate by 10%, it is **31.6962, 0.2266, 0.3093**.

Distribution



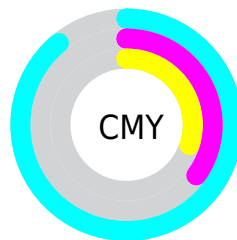
- Red (11%)
- Green (65%)
- Blue (70%)



- Red (11%)
- Yellow (40%)
- Blue (70%)



- Cyan (84%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)





- Cyan (89%)
- Magenta (35%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7883, 0.2217, 0.3064 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 30.7883, 0.2217, 0.3064 by changing the saturation by 10% instead.


 30.7883, 0.2217,
0.3064


 30.7883, 0.2217,
0.3064


305.5618, 0.2687,
0.3199

 20.4377, 0.2097,
0.3022


 60.9066, 0.2390,
0.3119

 12.7136, 0.1941,
0.2963


 81.4431, 0.2455,
0.3138

 7.2316, 0.1733,
0.2875


 106.1437, 0.2509,
0.3153

 3.6074, 0.1445,
0.2734

 135.3928, 0.2555,
0.3166

 1.4565, 0.0994,
0.2493

 169.5747, 0.2595,
0.3176

 0.2578, 0.0000,
0.1451

209.0740, 0.2629,

 0.0000, 0.0000,

0.3185

0.0000

254.2749, 0.2660,
0.3193

■ 30.7883, 0.2217,
0.3064

■ 30.7883, 0.2217,
0.3064

■ 30.0407, 0.2185,
0.3035

■ 31.6962, 0.2266,
0.3093

■ 29.6290, 0.2172,
0.3017

■ 32.7839, 0.2334,
0.3123

■ 34.0717, 0.2421,
0.3152

■ 35.5762, 0.2525,
0.3181

■ 37.3122, 0.2644,
0.3208

■ 39.2933, 0.2776,
0.3235

■ 41.5317, 0.2919,
0.3259

■ 44.0392, 0.3068,
0.3282

■ 46.8265, 0.3222,
0.3302

Harmonies

Analogous

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



30.7883, 0.2500, 0.3605



30.7883, 0.2217, 0.3064



30.7883, 0.2159, 0.2656

Triad

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



30.7883, 0.2217, 0.3064



30.7883, 0.3224, 0.2649



30.7883, 0.3950, 0.4143

Complementary

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



30.7883, 0.2217, 0.3064



11.3206, 0.5903, 0.3403

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.



30.7883, 0.4193, 0.3802



30.7883, 0.2217, 0.3064



30.7883, 0.3761, 0.2975

Square

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



30.7883, 0.2217, 0.3064



30.7883, 0.2702, 0.2462



30.7883, 0.4129, 0.3383



30.7883, 0.3494, 0.4274

Rectangle

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



30.7883, 0.2217, 0.3064



30.7883, 0.2247, 0.2499



30.7883, 0.4129, 0.3383



30.7883, 0.4060, 0.4046

Sweetspot

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



30.7894, 0.2217, 0.3064



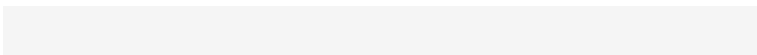
69.7849, 0.2755, 0.3231



32.6647, 0.2976, 0.5707



15.1820, 0.2708, 0.3222



91.1408, 0.3127, 0.3290



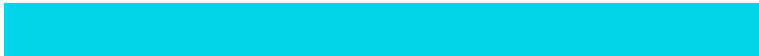
17.8868, 0.3127, 0.3290

Same Dimension

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



30.7894, 0.2217, 0.3064



52.8946, 0.2170, 0.3013



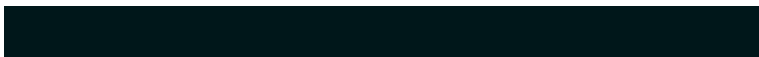
11.0719, 0.1837, 0.1637



9.5032, 0.2986, 0.3270



20.9837, 0.2172, 0.3021



0.6968, 0.2195, 0.3102

Inverse Universe

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



13.2111, 0.3392, 0.1730



21.9155, 0.3443, 0.1670



22.2690, 0.4875, 0.4323



8.6338, 0.3150, 0.3085



8.6584, 0.3436, 0.1666



0.2761, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 30.7883, 0.2217, 0.3064 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 30.7883, 0.2217, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

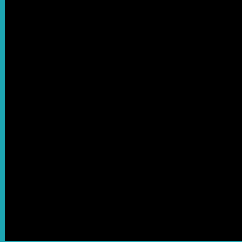
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

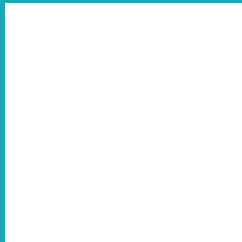
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7883, 0.2217, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 30.7883, 0.2217, 0.3064.

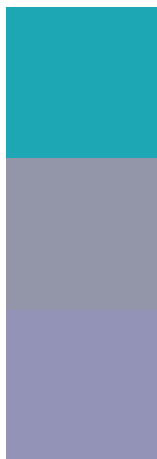


This preview shows how white text looks on a background with the Yxy color 30.7883, 0.2217, 0.3064.

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

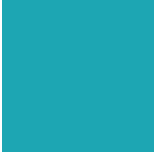
30.7883, 0.2217, 0.3064

Protanopia

30.5251, 0.2934, 0.3000

Deuteranopia

30.1797, 0.2804, 0.2743



Tritanopia

30.7883, 0.2217, 0.3064

Trichromacy



Original Color

30.7883, 0.2217, 0.3064



Protanomaly

29.3643, 0.2548, 0.3008



Deuteranomaly

29.1029, 0.2476, 0.2821



Tritanomaly

30.7883, 0.2217, 0.3064

Monochromacy



Original Color

30.7883, 0.2217, 0.3064



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.3182, 0.2612, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7883, 0.2217, 0.3064 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, 166, 179)` looks like.

```
.text, #text, p{  
  color:rgb(29, 166, 179)  
}
```

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, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 166, 179) }
```

Border

The CSS property to change the border of an element to Yxy 30.7883, 0.2217, 0.3064 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, 166, 179) }
```

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

```
.border{ border-color:rgb(29, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(29, 166,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7883, 0.2217, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 166, 179) }
```

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

```
.background{ background-color: rgb(29, 166,  
179) }
```

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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