

Converting Colors

$Y_{xy}(31.0690, 0.2416, 0.3169)$

Have a look what the booklet for
Yxy(31.0690, 0.2416, 0.3169)
contains.

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Color

Yxy(31.0690, 0.2416, 0.3169)

Conversions

Conversions Part 1	
Format	Color
Hex	4DA4AB
RGB	77, 164, 171
RGB Percent	30%, 64%, 67%
CMY	0.6981, 0.3568, 0.3293
CMYK	0.55, 0.04, 0.00, 0.33
HSL	184°, 38%, 49%
HSV	184°, 55%, 67%
XYZ	23.6866, 31.0690, 43.2848
YIQ	138.7850, -54.0990, -16.2670

Conversions

Conversions Part 2

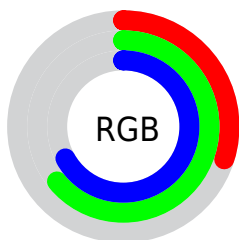
Format	Color
RYB	77, 122, 171
Decimal	5088427
CIELab	62.57, -24.00, -11.60
CIELCh	63, 26.655, 205.797
Yxy	31.0690, 0.2416, 0.3169
Android (android.graphics.Color)	4283278507 (0xFF4DA4AB)
YUV	138.7850, 15.8820, -54.1854
Hunter-Lab	55.7396, -21.6906, -7.0242

Details

The Yxy color **31.0690, 0.2416, 0.3169** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5353, 0.4659, 0.3397**, and the grayscale version is **25.6842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2224, 0.2556, 0.3200**, and **12.9203, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **29.9958, 0.2333, 0.3144**, and if you desaturate by 10%, it is **32.3361, 0.2517, 0.3194**.

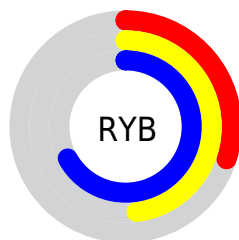
Distribution



Red (30%)

Green (64%)

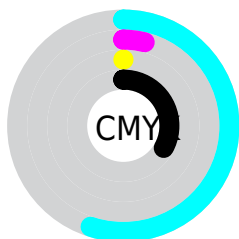
Blue (67%)



Red (30%)

Yellow (48%)

Blue (67%)

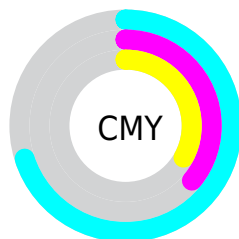


Cyan (55%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (70%)


Magenta (36%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0690, 0.2416, 0.3169 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 31.0690, 0.2416, 0.3169 by changing the saturation by 10% instead.


 31.0690, 0.2416,
0.3169


 31.0690, 0.2416,
0.3169


 306.8561, 0.2787,
0.3243


 20.6514, 0.2319,
0.3146


 61.3487, 0.2554,
0.3199


 12.8694, 0.2192,
0.3112


 81.9796, 0.2605,
0.3210

 7.3387, 0.2019,
0.3061


 106.7836, 0.2648,
0.3218

 3.6748, 0.1772,
0.2977

 136.1453, 0.2684,
0.3225

 1.4934, 0.1390,
0.2820

 170.4490, 0.2715,
0.3230

 0.2841, 0.0000,
0.2010


210.0791, 0.2742,


 0.0000, 0.0000,

0.3235


0.0000


255.4200, 0.2766,
0.3239

 31.0690, 0.2416,
0.3169


 31.0690, 0.2416,
0.3169


 29.9958, 0.2333,
0.3144

 32.3361, 0.2517,
0.3194


 29.0980, 0.2268,
0.3119


 33.8070, 0.2633,
0.3217

 28.3594, 0.2222,
0.3094


 35.4950, 0.2763,
0.3240

 27.7587, 0.2194,
0.3069


 37.4114, 0.2903,
0.3261


 27.4842, 0.2182,
0.3057

 39.5664, 0.3051,
0.3281

 41.9699, 0.3204,
0.3299

 44.6312, 0.3360,
0.3315

 47.5589, 0.3515,
0.3330

 50.7613, 0.3668,
0.3343

Harmonies

Analogous

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



31.0690, 0.2669, 0.3589



31.0690, 0.2416, 0.3169



31.0690, 0.2343, 0.2824

Triad

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



31.0690, 0.2416, 0.3169



31.0690, 0.3155, 0.2747



31.0690, 0.3819, 0.3949

Complementary

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



31.0690, 0.2416, 0.3169



15.5353, 0.4659, 0.3397

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.



31.0690, 0.3977, 0.3675



31.0690, 0.2416, 0.3169



31.0690, 0.3582, 0.3004

Square

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



31.0690, 0.2416, 0.3169



31.0690, 0.2747, 0.2613



31.0690, 0.3891, 0.3334



31.0690, 0.3476, 0.4061

Rectangle

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



31.0690, 0.2416, 0.3169



31.0690, 0.2400, 0.2678



31.0690, 0.3891, 0.3334



31.0690, 0.3896, 0.3871

Sweetspot

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



31.0702, 0.2416, 0.3169



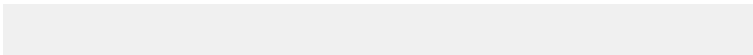
66.5181, 0.2885, 0.3258



31.3379, 0.3009, 0.4911



14.6764, 0.2856, 0.3254



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.0702, 0.2416, 0.3169



53.3324, 0.2317, 0.3138



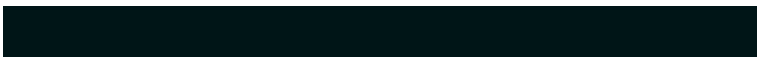
17.4113, 0.2239, 0.2313



8.9683, 0.2986, 0.3272



20.7480, 0.2183, 0.3059



0.6068, 0.2204, 0.3134

Inverse Universe

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



16.6454, 0.3279, 0.2087



25.2961, 0.3316, 0.1891



25.2322, 0.4226, 0.4076



8.1376, 0.3148, 0.3083



8.3976, 0.3402, 0.1648



0.2366, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 31.0690, 0.2416, 0.3169 looks on a white background.

Color Contrast Check

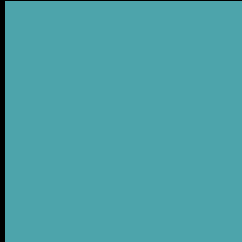
Large Text (above 18pt) WCAG AA × Fail

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 31.0690, 0.2416, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

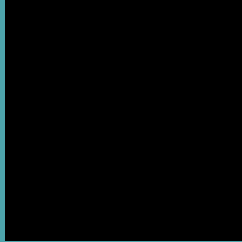
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0690, 0.2416, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 31.0690, 0.2416, 0.3169.

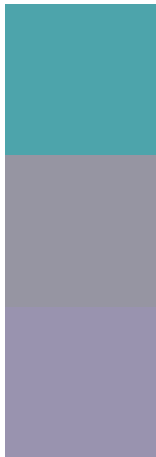


This preview shows how white text looks on a background with the Yxy color 31.0690, 0.2416, 0.3169.

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

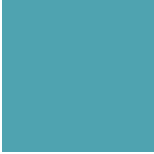
31.0690, 0.2416, 0.3169

Protanopia

30.5876, 0.3016, 0.3091

Deuteranopia

30.7349, 0.2929, 0.2876



Tritanopia

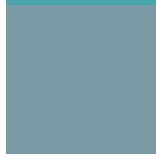
30.9912, 0.2393, 0.3070

Trichromacy



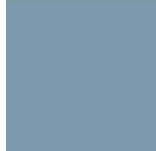
Original Color

31.0690, 0.2416, 0.3169



Protanomaly

30.0388, 0.2746, 0.3111



Deuteranomaly

30.1984, 0.2692, 0.2957



Tritanomaly

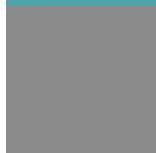
30.8701, 0.2400, 0.3103

Monochromacy



Original Color

31.0690, 0.2416, 0.3169



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.1272, 0.2790, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0690, 0.2416, 0.3169 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(77, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(77, 164, 171)  
}
```

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(77, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 164, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.0690, 0.2416, 0.3169 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(77, 164, 171) }
```

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

```
.border{ border-color:rgb(77, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(77, 164,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0690, 0.2416, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(77, 164, 171) }
```

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

```
.background{ background-color:rgb(77, 164,  
171) }
```

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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