

Converting Colors

$Y_{xy}(31.2756, 0.2399, 0.3270)$

Have a look what the booklet for
Yxy(31.2756, 0.2399, 0.3270)
contains.

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Color

Yxy(31.2557, 0.2399, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	43A6A7
RGB	67, 166, 167
RGB Percent	26%, 65%, 65%
CMY	0.7373, 0.3490, 0.3452
CMYK	0.60, 0.01, 0.00, 0.35
HSL	181°, 43%, 46%
HSV	181°, 60%, 65%
XYZ	22.9234, 31.2557, 41.3749
YIQ	136.5130, -59.3250, -20.6770

Conversions

Conversions Part 2

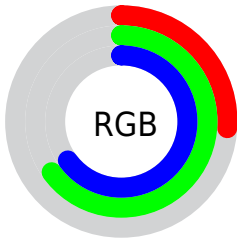
Format	Color
RYB	67, 117, 167
Decimal	4433575
CIELab	62.72, -28.09, -9.13
CIELCh	63, 29.539, 198.011
Yxy	31.2557, 0.2399, 0.3271
Android (android.graphics.Color)	4282623655 (0xFF43A6A7)
YUV	136.5130, 15.0301, -60.9629
Hunter-Lab	55.9068, -24.6468, -4.7439

Details

The Yxy color **31.2557, 0.2399, 0.3271** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7477, 0.4935, 0.3309**, and the grayscale version is **24.7805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4224, 0.2541, 0.3276**, and **13.2724, 0.2240, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **30.6904, 0.2333, 0.3268**, and if you desaturate by 10%, it is **31.9936, 0.2484, 0.3274**.

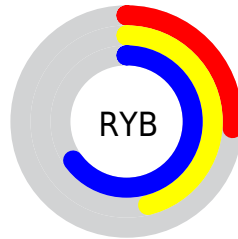
Distribution



Red (26%)

Green (65%)

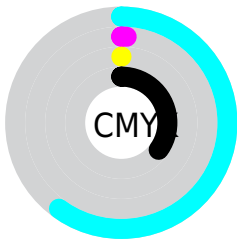
Blue (65%)



Red (26%)

Yellow (46%)

Blue (65%)

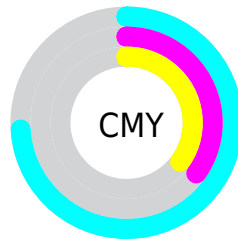


Cyan (60%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (74%)


Magenta (35%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2557, 0.2399, 0.3271 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 31.2557, 0.2399, 0.3271 by changing the saturation by 10% instead.


 31.2557, 0.2399,
0.3271


 31.2557, 0.2399,
0.3271


307.7146, 0.2779,
0.3290


 20.7936, 0.2300,
0.3262


 61.6424, 0.2541,
0.3281

 12.9732, 0.2169,
0.3248


 82.3359, 0.2593,
0.3284

 7.4101, 0.1992,
0.3224


 107.2086, 0.2636,
0.3286

 3.7199, 0.1738,
0.3178

 136.6449, 0.2673,
0.3287

 1.5181, 0.1328,
0.3087

 171.0293, 0.2705,
0.3288

 0.3014, 0.0000,
0.2377

210.7461, 0.2733,

 0.0000, 0.0000,

0.3289

0.0000

256.1797, 0.2757,
0.3290

■ 31.2557, 0.2399,
0.3271

■ 31.2557, 0.2399,
0.3271

■ 30.6904, 0.2333,
0.3268

■ 31.9936, 0.2484,
0.3274

■ 30.2790, 0.2285,
0.3264

■ 32.9138, 0.2586,
0.3278

■ 30.0050, 0.2255,
0.3261

■ 34.0295, 0.2704,
0.3281

■ 29.8291, 0.2239,
0.3258

■ 35.3516, 0.2836,
0.3284

■ 29.8272, 0.2238,
0.3258

■ 36.8903, 0.2978,
0.3287

■ 38.6551, 0.3129,
0.3290

■ 40.6549, 0.3285,
0.3293

■ 42.8982, 0.3443,
0.3295

■ 45.3929, 0.3601,
0.3297

Harmonies

Analogous

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



31.2557, 0.2720, 0.3738



31.2557, 0.2399, 0.3271



31.2557, 0.2268, 0.2856

Triad

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



31.2557, 0.2399, 0.3271



31.2557, 0.3031, 0.2643



31.2557, 0.3958, 0.3946

Complementary

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



31.2557, 0.2399, 0.3271



12.7477, 0.4935, 0.3309

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.



31.2557, 0.4070, 0.3613



31.2557, 0.2399, 0.3271



31.2557, 0.3512, 0.2892

Square

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



31.2557, 0.2399, 0.3271



31.2557, 0.2610, 0.2536



31.2557, 0.3905, 0.3236



31.2557, 0.3621, 0.4134

Rectangle

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



31.2557, 0.2399, 0.3271



31.2557, 0.2294, 0.2666



31.2557, 0.3905, 0.3236



31.2557, 0.4025, 0.3846

Sweetspot

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



31.2569, 0.2399, 0.3271



63.7316, 0.2857, 0.3285



29.2286, 0.3038, 0.5181



14.1002, 0.2819, 0.3284



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.2569, 0.2399, 0.3271



54.6958, 0.2315, 0.3267



16.7004, 0.2195, 0.2342



8.5193, 0.2987, 0.3287



22.8339, 0.2239, 0.3258



0.5594, 0.2241, 0.3269

Inverse Universe

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



14.9791, 0.3204, 0.1934



22.9359, 0.3217, 0.1737



21.3370, 0.4410, 0.4038



7.6653, 0.3139, 0.3070



8.3762, 0.3233, 0.1555



0.2042, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 31.2557, 0.2399, 0.3271 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 31.2557, 0.2399, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

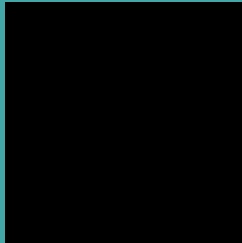
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2557, 0.2399, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 31.2557, 0.2399, 0.3271.

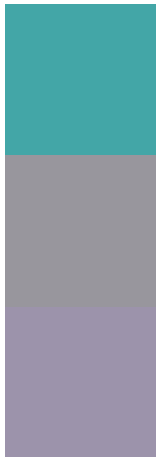


This preview shows how white text looks on a background with the Yxy color 31.2557, 0.2399, 0.3271.

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

31.2557, 0.2399, 0.3271

Protanopia

30.9224, 0.3082, 0.3183

Deuteranopia

30.8756, 0.2994, 0.2935



Tritanopia

31.1430, 0.2352, 0.3053

Trichromacy



Original Color

31.2557, 0.2399, 0.3271



Protanomaly

30.4151, 0.2764, 0.3207



Deuteranomaly

30.2986, 0.2716, 0.3034



Tritanomaly

31.2684, 0.2369, 0.3135

Monochromacy



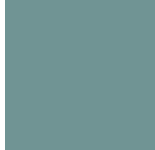
Original Color

31.2557, 0.2399, 0.3271



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

26.7627, 0.2780, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2557, 0.2399, 0.3271 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(67, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(67, 166, 167)  
}
```

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(67, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 166, 167) }
```

Border

The CSS property to change the border of an element to Yxy 31.2557, 0.2399, 0.3271 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(67, 166, 167) }
```

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

```
.border{ border-color:rgb(67, 166, 167) }
```

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

Here you see how a box with a 4 pixel rgb(67, 166, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(67, 166,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2557, 0.2399, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 166, 167) }
```

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

```
.background{ background-color: rgb(67, 166,  
167) }
```

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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