

Converting Colors

$Yxy(31.7974, 0.2421, 0.3693)$

Have a look what the booklet for
Yxy(31.7974, 0.2421, 0.3693)
contains.

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Color

Yxy(31.7271, 0.2421, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	27AB95
RGB	39, 171, 149
RGB Percent	15%, 67%, 58%
CMY	0.8473, 0.3294, 0.4157
CMYK	0.77, 0.00, 0.13, 0.33
HSL	170°, 63%, 41%
HSV	170°, 77%, 67%
XYZ	20.8217, 31.7271, 33.4558
YIQ	129.0240, -71.6100, -34.8260

Conversions

Conversions Part 2

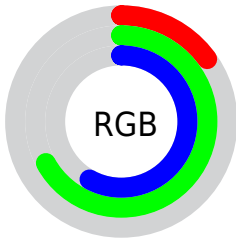
Format	Color
RYB	39, 111, 171
Decimal	2599829
CIELab	63.12, -39.61, 1.45
CIElCh	63, 39.633, 177.904
Yxy	31.7271, 0.2421, 0.3689
Android (android.graphics.Color)	4280789909 (0xFF27AB95)
YUV	129.0240, 9.8482, -78.9510
Hunter-Lab	56.3268, -32.5878, 4.2130

Details

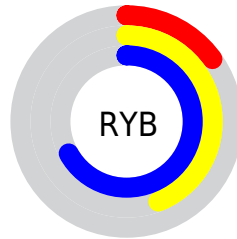
The Yxy color **31.7271, 0.2421, 0.3689** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4419, 0.5359, 0.3048**, and the grayscale version is **21.9393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3758, 0.2563, 0.3608**, and **13.8387, 0.2393, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **31.3770, 0.2400, 0.3748**, and if you desaturate by 10%, it is **32.2322, 0.2461, 0.3630**.

Distribution



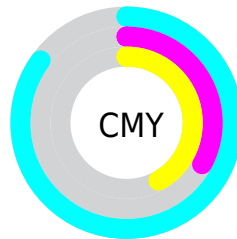
- Red (15%)
- Green (67%)
- Blue (58%)



- Red (15%)
- Yellow (44%)
- Blue (67%)



- Cyan (77%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)




- Cyan (85%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7271, 0.2421, 0.3689 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 31.7271, 0.2421, 0.3689 by changing the saturation by 10% instead.

 31.7271, 0.2421,
0.3689


 31.7271, 0.2421,
0.3689


309.8742, 0.2794,
0.3476


 21.1531, 0.2321,
0.3747


 62.3830, 0.2562,
0.3609


 13.2360, 0.2189,
0.3823

 83.2338, 0.2613,
0.3579


 7.5913, 0.2007,
0.3930


 108.2789, 0.2656,
0.3555

 3.8345, 0.1740,
0.4089

 137.9028, 0.2692,
0.3534

 1.5814, 0.1157,
0.4428

 172.4899, 0.2723,
0.3517

 0.3450, 0.0000,
0.5571

212.4246, 0.2750,

 0.0000, 0.0000,

0.3502

0.0000

258.0912, 0.2774,
0.3488

■ 31.7271, 0.2421,
0.3689

■ 31.7271, 0.2421,
0.3689

■ 31.3770, 0.2400,
0.3748

■ 32.2322, 0.2461,
0.3630

■ 31.1511, 0.2395,
0.3807

■ 32.9067, 0.2520,
0.3572

■ 31.0967, 0.2395,
0.3823

■ 33.7671, 0.2596,
0.3516

■ 34.8273, 0.2688,
0.3462

■ 36.0996, 0.2794,
0.3411

■ 37.5954, 0.2910,
0.3363

■ 39.3254, 0.3034,
0.3319

■ 41.2993, 0.3163,
0.3279

■ 43.5266, 0.3295,
0.3244

Harmonies

Analogous

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



31.7271, 0.2958, 0.4247



31.7271, 0.2421, 0.3689



31.7271, 0.2092, 0.3046

Triad

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



31.7271, 0.2421, 0.3689



31.7271, 0.2606, 0.2339



31.7271, 0.4369, 0.3840

Complementary

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



31.7271, 0.2421, 0.3689



10.4419, 0.5359, 0.3048

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.



31.7271, 0.4281, 0.3359



31.7271, 0.2421, 0.3689



31.7271, 0.3202, 0.2541

Square

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



31.7271, 0.2421, 0.3689



31.7271, 0.2194, 0.2338



31.7271, 0.3836, 0.2902



31.7271, 0.4093, 0.4252

Rectangle

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



31.7271, 0.2421, 0.3689



31.7271, 0.2013, 0.2702



31.7271, 0.3836, 0.2902



31.7271, 0.4383, 0.3682

Sweetspot

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



31.7283, 0.2421, 0.3689



65.6227, 0.2837, 0.3392



30.3363, 0.3135, 0.5597



14.4331, 0.2797, 0.3409



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.



31.7283, 0.2421, 0.3689



55.8764, 0.2396, 0.3791



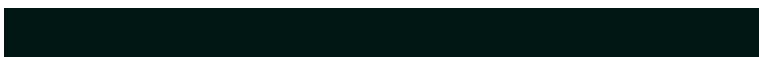
19.1198, 0.2098, 0.2497



9.0488, 0.3008, 0.3328



23.4467, 0.2394, 0.3817



0.6583, 0.2344, 0.3639

Inverse Universe

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



10.4419, 0.5359, 0.3048



16.0923, 0.5997, 0.3130



14.6538, 0.5228, 0.3814



8.0363, 0.3261, 0.3252



6.5973, 0.6126, 0.3148



0.1900, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 31.7271, 0.2421, 0.3689 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 31.7271, 0.2421, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

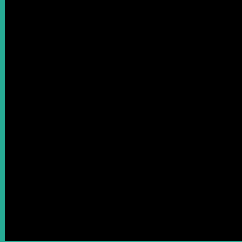
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7271, 0.2421, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 31.7271, 0.2421, 0.3689.



This preview shows how white text looks on a background with the Yxy color 31.7271, 0.2421, 0.3689.

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

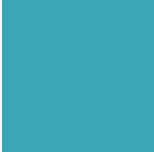
31.7271, 0.2421, 0.3689

Protanopia

31.1363, 0.3314, 0.3491

Deuteranopia

31.1999, 0.3246, 0.3187



Tritanopia

31.8625, 0.2299, 0.3070

Trichromacy



Original Color

31.7271, 0.2421, 0.3689



Protanomaly

29.9841, 0.2858, 0.3563



Deuteranomaly

29.9659, 0.2818, 0.3356



Tritanomaly

31.5999, 0.2337, 0.3270

Monochromacy



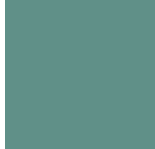
Original Color

31.7271, 0.2421, 0.3689



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.2109, 0.2733, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7271, 0.2421, 0.3689 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(39, 171, 149)` looks like.

```
.text, #text, p{  
  color:rgb(39, 171, 149)  
}
```

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(39, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 171, 149) }
```

Border

The CSS property to change the border of an element to Yxy 31.7271, 0.2421, 0.3689 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(39, 171, 149) }
```

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

```
.border{ border-color:rgb(39, 171, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 171, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(39, 171,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7271, 0.2421, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 171, 149) }
```

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

```
.background{ background-color: rgb(39, 171,  
149) }
```

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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