

Converting Colors

$Yxy(29.1603, 0.2395, 0.3468)$

Have a look what the booklet for
Yxy(29.1603, 0.2395, 0.3468)
contains.

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Color

Yxy(29.1473, 0.2396, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	31A399
RGB	49, 163, 153
RGB Percent	19%, 64%, 60%
CMY	0.8072, 0.3608, 0.4000
CMYK	0.70, 0.00, 0.06, 0.36
HSL	175°, 54%, 42%
HSV	175°, 70%, 64%
XYZ	20.1201, 29.1473, 34.7064
YIQ	127.7740, -64.7340, -27.2780

Conversions

Conversions Part 2

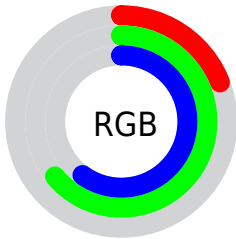
Format	Color
R_{YB}	49, 109, 163
Decimal	3253145
CIE _{Lab}	60.91, -33.53, -4.01
CIE _{LCh}	61, 33.765, 186.827
Yxy	29.1473, 0.2396, 0.3471
Android (android.graphics.Color)	4281443225 (0xFF31A399)
YUV	127.7740, 12.4364, -69.0848
Hunter-Lab	53.9882, -27.9568, -0.3228

Details

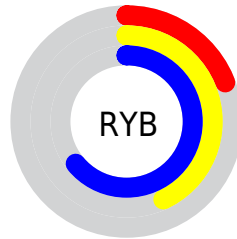
The Yxy color **29.1473, 0.2396, 0.3471** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.3138, 0.5220, 0.3167**, and the grayscale version is **21.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0925, 0.2544, 0.3436**, and **12.3282, 0.2314, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **28.7655, 0.2355, 0.3500**, and if you desaturate by 10%, it is **29.6786, 0.2456, 0.3442**.

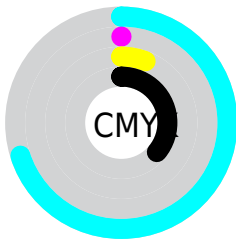
Distribution



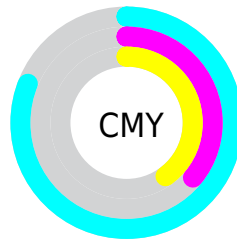
- Red (19%)
- Green (64%)
- Blue (60%)



- Red (19%)
- Yellow (43%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (36%)




- Cyan (81%)
- Magenta (36%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1473, 0.2396, 0.3471 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 29.1473, 0.2396, 0.3471 by changing the saturation by 10% instead.

 29.1473, 0.2396,
0.3471


 29.1473, 0.2396,
0.3471


297.9093, 0.2784,
0.3380

 19.1923, 0.2292,
0.3493


 58.3110, 0.2542,
0.3438


 11.8093, 0.2154,
0.3522

 78.2885, 0.2596,
0.3426


 6.6140, 0.1963,
0.3558


 102.3757, 0.2640,
0.3415

 3.2219, 0.1684,
0.3603

 130.9568, 0.2678,
0.3406

 1.2486, 0.0992,
0.3759

 164.4163, 0.2710,
0.3398

 0.1009, 0.0000,
0.2053

203.1387, 0.2738,

 0.0000, 0.0000,

0.3391

0.0000

247.5082, 0.2762,
0.3385

■ 29.1473, 0.2396,
0.3471

■ 29.1473, 0.2396,
0.3471

■ 28.7655, 0.2355,
0.3500

■ 29.6786, 0.2456,
0.3442

■ 28.5131, 0.2332,
0.3530

■ 30.3703, 0.2534,
0.3413

■ 28.3538, 0.2322,
0.3559

■ 31.2359, 0.2628,
0.3385

■ 28.3512, 0.2322,
0.3559

■ 32.2868, 0.2738,
0.3359

■ 33.5332, 0.2860,
0.3334

■ 34.9847, 0.2991,
0.3311

■ 36.6503, 0.3130,
0.3290

■ 38.5383, 0.3272,
0.3271

■ 40.6568, 0.3417,
0.3253

Harmonies

Analogous

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



29.1473, 0.2830, 0.3998



29.1473, 0.2396, 0.3471



29.1473, 0.2164, 0.2938

Triad

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



29.1473, 0.2396, 0.3471



29.1473, 0.2814, 0.2478



29.1473, 0.4180, 0.3908

Complementary

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



29.1473, 0.2396, 0.3471



10.3138, 0.5220, 0.3167

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.



29.1473, 0.4197, 0.3491



29.1473, 0.2396, 0.3471



29.1473, 0.3366, 0.2708

Square

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



29.1473, 0.2396, 0.3471



29.1473, 0.2388, 0.2423



29.1473, 0.3890, 0.3066



29.1473, 0.3866, 0.4218

Rectangle

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



29.1473, 0.2396, 0.3471



29.1473, 0.2137, 0.2671



29.1473, 0.3890, 0.3066



29.1473, 0.4222, 0.3775

Sweetspot

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



29.1484, 0.2396, 0.3471



59.6917, 0.2840, 0.3338



27.3921, 0.3089, 0.5442



13.2707, 0.2807, 0.3344



82.7571, 0.3127, 0.3290



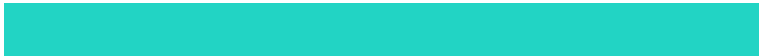
14.7319, 0.3127, 0.3290

Same Dimension

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



29.1484, 0.2396, 0.3471



51.2382, 0.2340, 0.3517



16.1319, 0.2121, 0.2392



8.0005, 0.2999, 0.3310



22.0405, 0.2321, 0.3557



0.4660, 0.2292, 0.3450

Inverse Universe

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



10.3138, 0.5220, 0.3167



15.3070, 0.5882, 0.3195



16.1390, 0.4827, 0.3949



7.0956, 0.3272, 0.3271



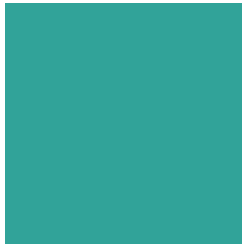
6.0800, 0.6277, 0.3232



0.1306, 0.5768, 0.2951

Previews

White Background



This preview shows how the Yxy color 29.1473, 0.2396, 0.3471 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1473, 0.2396, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

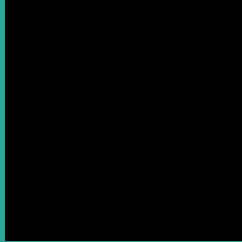
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1473, 0.2396, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 29.1473, 0.2396, 0.3471.

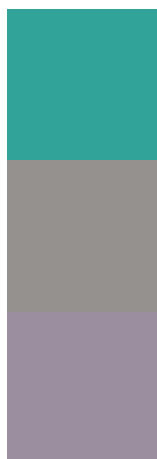


This preview shows how white text looks on a background with the Yxy color 29.1473, 0.2396, 0.3471.

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

29.1473, 0.2396, 0.3471

Protanopia

28.6235, 0.3189, 0.3322

Deuteranopia

28.7832, 0.3107, 0.3046



Tritanopia

29.1194, 0.2311, 0.3062

Trichromacy



Original Color

29.1473, 0.2396, 0.3471



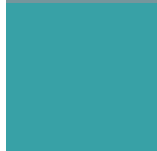
Protanomaly

28.0738, 0.2802, 0.3375



Deuteranomaly

27.9949, 0.2761, 0.3188



Tritanomaly

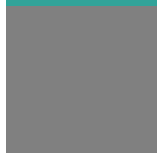
29.0837, 0.2338, 0.3199

Monochromacy



Original Color

29.1473, 0.2396, 0.3471



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.5085, 0.2745, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1473, 0.2396, 0.3471 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(49, 163, 153)` looks like.

```
.text, #text, p{  
    color:rgb(49, 163, 153)  
}
```

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(49, 163, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 163, 153) }
```

Border

The CSS property to change the border of an element to Yxy 29.1473, 0.2396, 0.3471 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(49, 163, 153) }
```

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

```
.border{ border-color:rgb(49, 163, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 163, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 163, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 163, 153);  
box-shadow:4px 4px 4px 4px rgb(49, 163,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1473, 0.2396, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 163, 153) }
```

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

```
.background{ background-color: rgb(49, 163,  
153) }
```

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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