

Converting Colors

$Y_{xy}(29.1335, 0.2370, 0.3550)$

Have a look what the booklet for
Yxy(29.1335, 0.2370, 0.3550)
contains.

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Color

Yxy(29.0763, 0.2369, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	21A496
RGB	33, 164, 150
RGB Percent	13%, 64%, 59%
CMY	0.8704, 0.3569, 0.4118
CMYK	0.80, 0.00, 0.09, 0.36
HSL	174°, 66%, 39%
HSV	174°, 80%, 64%
XYZ	19.4088, 29.0763, 33.4431
YIQ	123.2350, -73.5820, -32.1260

Conversions

Conversions Part 2

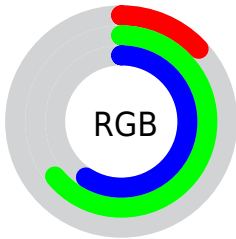
Format	Color
R _Y B	33, 102, 164
Decimal	2204822
CIE Lab	60.85, -36.81, -2.44
CIE LCh	61, 36.891, 183.798
Yxy	29.0763, 0.2369, 0.3549
Android (android.graphics.Color)	4280394902 (0xFF21A496)
YUV	123.2350, 13.1951, -79.1361
Hunter-Lab	53.9224, -30.1152, 0.9736

Details

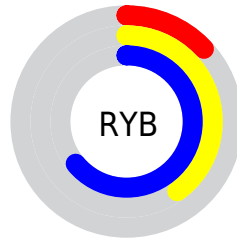
The Yxy color **29.0763, 0.2369, 0.3549** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1892, 0.5613, 0.3151**, and the grayscale version is **19.8686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3708, 0.2520, 0.3505**, and **12.2697, 0.2337, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **28.8131, 0.2347, 0.3585**, and if you desaturate by 10%, it is **29.4744, 0.2409, 0.3513**.

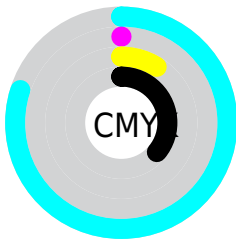
Distribution



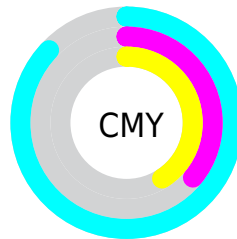
- Red (13%)
- Green (64%)
- Blue (59%)



- Red (13%)
- Yellow (40%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (36%)




- Cyan (87%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0763, 0.2369, 0.3549 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 29.0763, 0.2369, 0.3549 by changing the saturation by 10% instead.

 29.0763, 0.2369,
0.3549


 29.0763, 0.2369,
0.3549


 297.5748, 0.2772,
0.3415


 19.1385, 0.2261,
0.3584


 58.1983, 0.2521,
0.3499

 11.7704, 0.2117,
0.3629


 78.1513, 0.2577,
0.3481


 6.5876, 0.1917,
0.3690


 102.2116, 0.2623,
0.3465

 3.2055, 0.1626,
0.3773

 130.7634, 0.2662,
0.3452

 1.2400, 0.0794,
0.4054

 164.1913, 0.2695,
0.3441

 0.0940, 0.0000,
0.2560

 202.8795, 0.2724,

 0.0000, 0.0000,

0.3431

0.0000

247.2126, 0.2750,
0.3422

■ 29.0763, 0.2369,
0.3549

■ 29.0763, 0.2369,
0.3549

■ 28.8131, 0.2347,
0.3585

■ 29.4744, 0.2409,
0.3513

■ 28.6435, 0.2340,
0.3621

■ 30.0211, 0.2467,
0.3476

■ 28.6410, 0.2339,
0.3622

■ 30.7318, 0.2544,
0.3441

■ 31.6193, 0.2637,
0.3407

■ 32.6950, 0.2744,
0.3374

■ 33.9694, 0.2864,
0.3344

■ 35.4521, 0.2993,
0.3316

■ 37.1524, 0.3129,
0.3290

■ 39.0787, 0.3269,
0.3266

Harmonies

Analogous

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



29.0763, 0.2855, 0.4119



29.0763, 0.2369, 0.3549



29.0763, 0.2097, 0.2952

Triad

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



29.0763, 0.2369, 0.3549



29.0763, 0.2729, 0.2397



29.0763, 0.4292, 0.3910

Complementary

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



29.0763, 0.2369, 0.3549



9.1892, 0.5613, 0.3151

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.



29.0763, 0.4279, 0.3452



29.0763, 0.2369, 0.3549



29.0763, 0.3323, 0.2627

Square

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



29.0763, 0.2369, 0.3549



29.0763, 0.2290, 0.2357



29.0763, 0.3911, 0.3000



29.0763, 0.3973, 0.4274

Rectangle

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



29.0763, 0.2369, 0.3549



29.0763, 0.2053, 0.2649



29.0763, 0.3911, 0.3000



29.0763, 0.4329, 0.3762

Sweetspot

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



29.0774, 0.2369, 0.3549



60.5478, 0.2808, 0.3358



27.2978, 0.3079, 0.5685



13.0694, 0.2768, 0.3368



82.7571, 0.3127, 0.3290



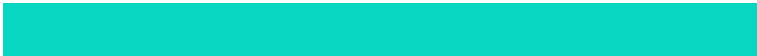
14.7319, 0.3127, 0.3290

Same Dimension

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



29.0774, 0.2369, 0.3549



52.0650, 0.2342, 0.3614



14.9954, 0.2030, 0.2285



7.9981, 0.3001, 0.3314



21.9645, 0.2338, 0.3618



0.4650, 0.2302, 0.3487

Inverse Universe

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



9.1892, 0.5613, 0.3151



14.6088, 0.6203, 0.3222



14.2279, 0.5175, 0.3938



7.0977, 0.3269, 0.3266



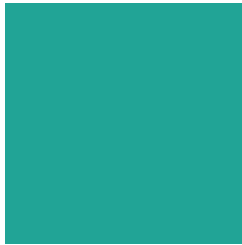
6.0876, 0.6245, 0.3214



0.1313, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 29.0763, 0.2369, 0.3549 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 29.0763, 0.2369, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

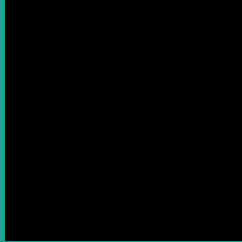
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0763, 0.2369, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 29.0763, 0.2369, 0.3549.

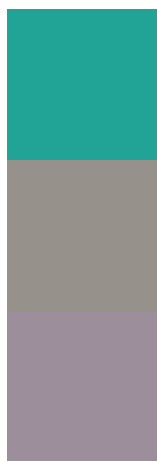


This preview shows how white text looks on a background with the Yxy color 29.0763, 0.2369, 0.3549.

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

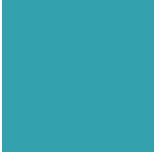
29.0763, 0.2369, 0.3549

Protanopia

28.5989, 0.3240, 0.3386

Deuteranopia

28.7805, 0.3147, 0.3091



Tritanopia

29.2495, 0.2276, 0.3061

Trichromacy



Original Color

29.0763, 0.2369, 0.3549

Protanomaly

27.5654, 0.2783, 0.3448

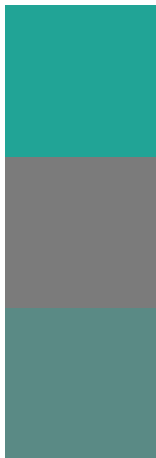
Deuteranomaly

27.4921, 0.2733, 0.3237

Tritanomaly

29.0927, 0.2307, 0.3234

Monochromacy



Original Color

29.0763, 0.2369, 0.3549

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.0441, 0.2694, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0763, 0.2369, 0.3549 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(33, 164, 150)` looks like.

```
.text, #text, p{  
    color:rgb(33, 164, 150)  
}
```

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(33, 164, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 164, 150) }
```

Border

The CSS property to change the border of an element to Yxy 29.0763, 0.2369, 0.3549 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(33, 164, 150) }
```

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

```
.border{ border-color:rgb(33, 164, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 164, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 164, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 164, 150);  
box-shadow:4px 4px 4px 4px rgb(33, 164,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0763, 0.2369, 0.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 164, 150) }
```

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

```
.background{ background-color: rgb(33, 164,  
150) }
```

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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