

Converting Colors

$Yxy(28.9984, 0.2401, 0.3491)$

Have a look what the booklet for
Yxy(28.9984, 0.2401, 0.3491)
contains.

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Color

$\text{Yxy}(29.1144, 0.2401, 0.3490)$

Conversions

Conversions Part 1

Format	Color
Hex	31A398
RGB	49, 163, 152
RGB Percent	19%, 64%, 60%
CMY	0.8081, 0.3608, 0.4038
CMYK	0.70, 0.00, 0.07, 0.36
HSL	174°, 54%, 42%
HSV	174°, 70%, 64%
XYZ	20.0297, 29.1144, 34.2782
YIQ	127.6600, -64.4130, -27.5890

Conversions

Conversions Part 2

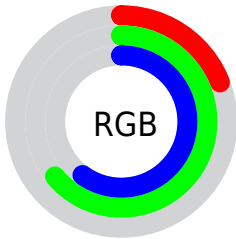
Format	Color
R_{YB}	49, 109, 163
Decimal	3253144
CIE _{Lab}	60.88, -33.85, -3.50
CIE _{LCh}	61, 34.028, 185.903
Y _{xy}	29.1144, 0.2401, 0.3490
Android (android.graphics.Color)	4281443224 (0xFF31A398)
YUV	127.6600, 11.9996, -68.9848
Hunter-Lab	53.9578, -28.1649, 0.1047

Details

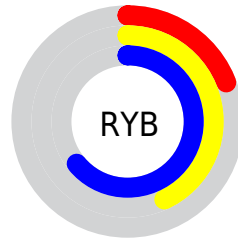
The Yxy color **29.1144, 0.2401, 0.3490** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.3028, 0.5208, 0.3153**, and the grayscale version is **21.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0438, 0.2549, 0.3449**, and **12.3085, 0.2321, 0.3557** is the 20% darker color. If you saturate the color by 10%, you get **28.7305, 0.2361, 0.3523**, and if you desaturate by 10%, it is **29.6477, 0.2460, 0.3458**.

Distribution



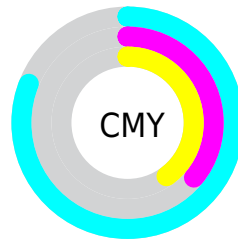
- Red (19%)
- Green (64%)
- Blue (60%)



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



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1144, 0.2401, 0.3490 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 29.1144, 0.2401, 0.3490 by changing the saturation by 10% instead.


 29.1144, 0.2401,
0.3490


 29.1144, 0.2401,
0.3490


297.7543, 0.2787,
0.3388

 19.1674, 0.2297,
0.3516


 58.2588, 0.2547,
0.3453

 11.7913, 0.2160,
0.3548


 78.2250, 0.2600,
0.3439


 6.6017, 0.1969,
0.3591


 102.2996, 0.2644,
0.3427

 3.2143, 0.1690,
0.3647

 130.8672, 0.2681,
0.3417

 1.2446, 0.0981,
0.3830

 164.3121, 0.2713,
0.3408

 0.0977, 0.0000,
0.2177

203.0186, 0.2741,

 0.0000, 0.0000,

0.3401

0.0000

247.3712, 0.2765,
0.3394

■ 29.1144, 0.2401,
0.3490

■ 29.1144, 0.2401,
0.3490

■ 28.7305, 0.2361,
0.3523

■ 29.6477, 0.2460,
0.3458

■ 28.4759, 0.2339,
0.3555

■ 30.3413, 0.2537,
0.3426

■ 28.3133, 0.2330,
0.3587

■ 31.2089, 0.2631,
0.3395

■ 28.3131, 0.2330,
0.3587

■ 32.2616, 0.2739,
0.3366

■ 33.5099, 0.2860,
0.3339

■ 34.9634, 0.2990,
0.3313

■ 36.6310, 0.3127,
0.3290

■ 38.5210, 0.3269,
0.3269

■ 40.6416, 0.3412,
0.3250

Harmonies

Analogous

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



29.1144, 0.2843, 0.4018



29.1144, 0.2401, 0.3490



29.1144, 0.2160, 0.2949

Triad

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



29.1144, 0.2401, 0.3490



29.1144, 0.2796, 0.2468



29.1144, 0.4193, 0.3900

Complementary

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



29.1144, 0.2401, 0.3490



10.3028, 0.5208, 0.3153

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.



29.1144, 0.4201, 0.3478



29.1144, 0.2401, 0.3490



29.1144, 0.3350, 0.2694

Square

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



29.1144, 0.2401, 0.3490



29.1144, 0.2372, 0.2418



29.1144, 0.3883, 0.3051



29.1144, 0.3884, 0.4219

Rectangle

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



29.1144, 0.2401, 0.3490



29.1144, 0.2129, 0.2676



29.1144, 0.3883, 0.3051



29.1144, 0.4233, 0.3765

Sweetspot

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



29.1155, 0.2401, 0.3490



59.6730, 0.2842, 0.3342



27.3889, 0.3089, 0.5446



13.2660, 0.2810, 0.3350



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.



29.1155, 0.2401, 0.3490



51.1688, 0.2346, 0.3541



16.1055, 0.2119, 0.2390



7.9994, 0.3000, 0.3312



22.0062, 0.2329, 0.3584



0.4656, 0.2296, 0.3467

Inverse Universe

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



10.3028, 0.5208, 0.3153



15.3203, 0.5862, 0.3183



16.1132, 0.4832, 0.3950



7.0965, 0.3270, 0.3269



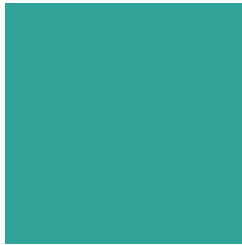
6.0833, 0.6264, 0.3224



0.1309, 0.5714, 0.2922

Previews

White Background



This preview shows how the Yxy color 29.1144, 0.2401, 0.3490 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 29.1144, 0.2401, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

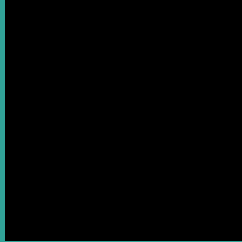
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1144, 0.2401, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 29.1144, 0.2401, 0.3490.

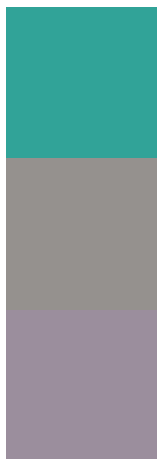


This preview shows how white text looks on a background with the Yxy color 29.1144, 0.2401, 0.3490.

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

29.1144, 0.2401, 0.3490

Protanopia

28.5934, 0.3199, 0.3338

Deuteranopia

28.7489, 0.3117, 0.3061



Tritanopia

29.1194, 0.2311, 0.3062

Trichromacy



Original Color

29.1144, 0.2401, 0.3490



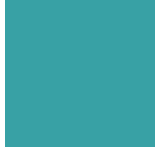
Protanomaly

28.0425, 0.2810, 0.3393



Deuteranomaly

27.8923, 0.2760, 0.3204



Tritanomaly

29.0471, 0.2344, 0.3217

Monochromacy



Original Color

29.1144, 0.2401, 0.3490



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 29.1144, 0.2401, 0.3490 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, 152)` looks like.

```
.text, #text, p{  
  color:rgb(49, 163, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 163, 152) }
```

Border

The CSS property to change the border of an element to Yxy 29.1144, 0.2401, 0.3490 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, 152) }
```

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

```
.border{ border-color:rgb(49, 163, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 163, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 163, 152);  
box-shadow:4px 4px 4px 4px rgb(49, 163,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1144, 0.2401, 0.3490 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, 152) }
```

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

```
.background{ background-color: rgb(49, 163,  
152) }
```

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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