

Converting Colors

$Y_{xy}(28.1982, 0.2401, 0.3490)$

Have a look what the booklet for
Yxy(28.1982, 0.2401, 0.3490)
contains.

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Color

$Y_{xy}(28.3201, 0.2401, 0.3493)$

Conversions

Conversions Part 1

Format	Color
Hex	30A196
RGB	48, 161, 150
RGB Percent	19%, 63%, 59%
CMY	0.8119, 0.3686, 0.4118
CMYK	0.70, 0.00, 0.07, 0.37
HSL	174°, 54%, 41%
HSV	174°, 70%, 63%
XYZ	19.4665, 28.3201, 33.2901
YIQ	125.9590, -63.8170, -27.3770

Conversions

Conversions Part 2

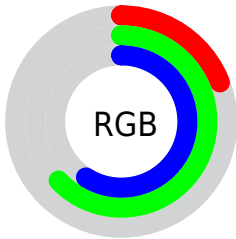
Format	Color
RYB	48, 107, 161
Decimal	3187094
CIELab	60.18, -33.62, -3.40
CIElCh	60, 33.792, 185.768
Yxy	28.3201, 0.2401, 0.3493
Android (android.graphics.Color)	4281377174 (0xFF30A196)
YUV	125.9590, 11.8522, -68.3700
Hunter-Lab	53.2166, -27.8342, 0.1623

Details

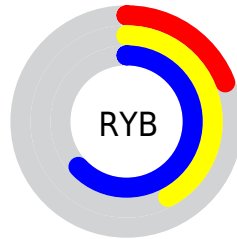
The Yxy color **28.3201, 0.2401, 0.3493** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0039, 0.5212, 0.3152**, and the grayscale version is **20.8211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7864, 0.2545, 0.3451**, and **11.8381, 0.2323, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **27.9484, 0.2361, 0.3526**, and if you desaturate by 10%, it is **28.8367, 0.2459, 0.3460**.

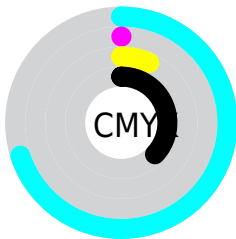
Distribution



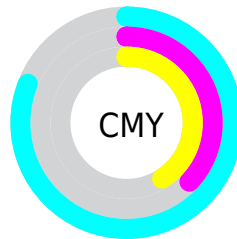
- Red (19%)
- Green (63%)
- Blue (59%)



- Red (19%)
- Yellow (42%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (37%)





- Cyan (81%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3201, 0.2401, 0.3493 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 28.3201, 0.2401, 0.3493 by changing the saturation by 10% instead.


 28.3201, 0.2401,
0.3493


 28.3201, 0.2401,
0.3493


293.9933, 0.2788,
0.3389

 18.5671, 0.2296,
0.3519


 56.9951, 0.2548,
0.3455


 11.3579, 0.2157,
0.3553


 76.6859, 0.2601,
0.3440

 6.3081, 0.1963,
0.3597


 100.4580, 0.2645,
0.3428

 3.0333, 0.1677,
0.3656

 128.6960, 0.2683,
0.3418

 1.1492, 0.0846,
0.3889

 161.7841, 0.2715,
0.3409

 0.0196, 0.0000,
0.0703

200.1067, 0.2743,

 0.0000, 0.0000,

0.3402

0.0000

244.0483, 0.2767,
0.3395

■ 28.3201, 0.2401,
0.3493

■ 28.3201, 0.2401,
0.3493

■ 27.9484, 0.2361,
0.3526

■ 28.8367, 0.2459,
0.3460

■ 27.7021, 0.2339,
0.3559

■ 29.5087, 0.2536,
0.3428

■ 27.5462, 0.2331,
0.3591

■ 30.3495, 0.2629,
0.3397

■ 31.3700, 0.2737,
0.3368

■ 32.5802, 0.2858,
0.3340

■ 33.9895, 0.2987,
0.3314

■ 35.6066, 0.3124,
0.3290

■ 37.4396, 0.3265,
0.3269

■ 39.4963, 0.3408,
0.3250

Harmonies

Analogous

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



28.3201, 0.2844, 0.4022



28.3201, 0.2401, 0.3493



28.3201, 0.2159, 0.2950

Triad

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



28.3201, 0.2401, 0.3493



28.3201, 0.2793, 0.2466



28.3201, 0.4196, 0.3900

Complementary

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



28.3201, 0.2401, 0.3493



10.0039, 0.5212, 0.3152

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.



28.3201, 0.4203, 0.3476



28.3201, 0.2401, 0.3493



28.3201, 0.3348, 0.2691

Square

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



28.3201, 0.2401, 0.3493



28.3201, 0.2369, 0.2417



28.3201, 0.3882, 0.3049



28.3201, 0.3888, 0.4220

Rectangle

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



28.3201, 0.2401, 0.3493



28.3201, 0.2127, 0.2676



28.3201, 0.3882, 0.3049



28.3201, 0.4236, 0.3764

Sweetspot

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



28.3212, 0.2401, 0.3493



58.0688, 0.2843, 0.3343



26.6431, 0.3089, 0.5451



12.6083, 0.2811, 0.3350



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.3212, 0.2401, 0.3493



49.7860, 0.2347, 0.3544



15.6428, 0.2117, 0.2387



7.9993, 0.3000, 0.3312



22.0017, 0.2330, 0.3588



0.4655, 0.2297, 0.3469

Inverse Universe

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



10.0039, 0.5212, 0.3152



14.9184, 0.5857, 0.3181



15.6509, 0.4837, 0.3951



7.0967, 0.3270, 0.3268



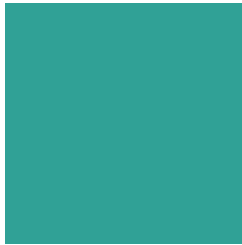
6.0837, 0.6262, 0.3223



0.1310, 0.5707, 0.2918

Previews

White Background



This preview shows how the Yxy color 28.3201, 0.2401, 0.3493 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 28.3201, 0.2401, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

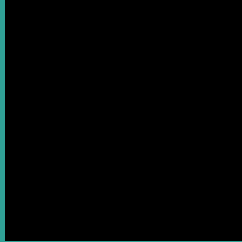
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3201, 0.2401, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 28.3201, 0.2401, 0.3493.

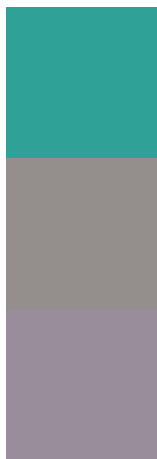


This preview shows how white text looks on a background with the Yxy color 28.3201, 0.2401, 0.3493.

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

28.3201, 0.2401, 0.3493

Protanopia

27.8343, 0.3211, 0.3338

Deuteranopia

27.8950, 0.3117, 0.3058



Tritanopia

28.3238, 0.2310, 0.3060

Trichromacy



Original Color

28.3201, 0.2401, 0.3493

Protanomaly

27.2711, 0.2815, 0.3394

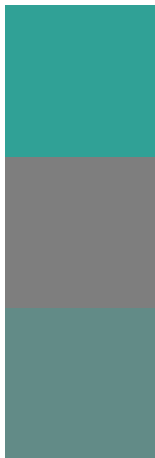
Deuteranomaly

27.1246, 0.2765, 0.3203

Tritanomaly

28.2528, 0.2343, 0.3216

Monochromacy



Original Color

28.3201, 0.2401, 0.3493

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.8112, 0.2750, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3201, 0.2401, 0.3493 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(48, 161, 150)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 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(48, 161, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.3201, 0.2401, 0.3493 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(48, 161, 150) }
```

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

```
.border{ border-color:rgb(48, 161, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 161, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 150);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3201, 0.2401, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 150) }
```

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

```
.background{ background-color: rgb(48, 161,  
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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