

Converting Colors

$Yxy(28.4403, 0.2363, 0.3368)$

Have a look what the booklet for
Yxy(28.4403, 0.2363, 0.3368)
contains.

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Color

Yxy(28.5184, 0.2366, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	30A19C
RGB	48, 161, 156
RGB Percent	19%, 63%, 61%
CMY	0.8114, 0.3686, 0.3882
CMYK	0.70, 0.00, 0.03, 0.37
HSL	177°, 54%, 41%
HSV	177°, 70%, 63%
XYZ	19.9688, 28.5184, 35.9117
YIQ	126.6430, -65.7430, -25.5110

Conversions

Conversions Part 2

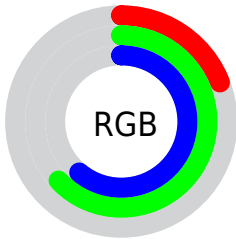
Format	Color
RYB	48, 106, 161
Decimal	3187100
CIELab	60.35, -31.87, -6.54
CIElCh	60, 32.536, 191.592
Yxy	28.5184, 0.2366, 0.3379
Android (android.graphics.Color)	4281377180 (0xFF30A19C)
YUV	126.6430, 14.4730, -68.9699
Hunter-Lab	53.4026, -26.7083, -2.4890

Details

The Yxy color **28.5184, 0.2366, 0.3379** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9561, 0.5327, 0.3233**, and the grayscale version is **21.0709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1444, 0.2520, 0.3369**, and **11.9572, 0.2276, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **28.1718, 0.2323, 0.3393**, and if you desaturate by 10%, it is **29.0095, 0.2428, 0.3365**.

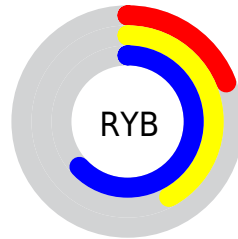
Distribution



Red (19%)

Green (63%)

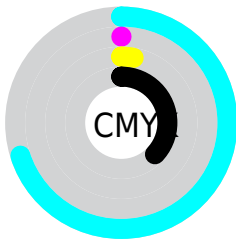
Blue (61%)



Red (19%)

Yellow (42%)

Blue (63%)

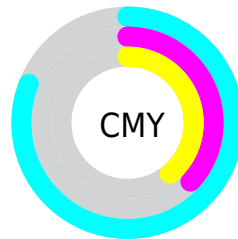


Cyan (70%)

Magenta (0%)

Yellow (3%)

Black (37%)



Cyan (81%)


Magenta (37%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5184, 0.2366, 0.3379 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 28.5184, 0.2366, 0.3379 by changing the saturation by 10% instead.


 28.5184, 0.2366,
0.3379


 28.5184, 0.2366,
0.3379


294.9358, 0.2770,
0.3340


 18.7168, 0.2258,
0.3386


 57.3110, 0.2518,
0.3366


 11.4658, 0.2115,
0.3393


 77.0709, 0.2574,
0.3361

 6.3811, 0.1918,
0.3398


 100.9189, 0.2620,
0.3356

 3.0782, 0.1630,
0.3394

 129.2395, 0.2659,
0.3352

 1.1727, 0.0917,
0.3454

 162.4171, 0.2693,
0.3349

 0.0392, 0.0000,
0.0728

200.8361, 0.2722,

 0.0000, 0.0000,

0.3345

0.0000

244.8809, 0.2747,
0.3342

■ 28.5184, 0.2366,
0.3379

■ 28.5184, 0.2366,
0.3379

■ 28.1718, 0.2323,
0.3393

■ 29.0095, 0.2428,
0.3365

■ 27.9502, 0.2297,
0.3408

■ 29.6555, 0.2508,
0.3351

■ 27.8175, 0.2284,
0.3421

■ 30.4698, 0.2606,
0.3337

■ 31.4634, 0.2719,
0.3324

■ 32.6462, 0.2845,
0.3312

■ 34.0275, 0.2981,
0.3301

■ 35.6162, 0.3125,
0.3290

■ 37.4202, 0.3274,
0.3281

■ 39.4473, 0.3425,
0.3272

Harmonies

Analogous

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



28.5184, 0.2762, 0.3905



28.5184, 0.2366, 0.3379



28.5184, 0.2174, 0.2880

Triad

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



28.5184, 0.2366, 0.3379



28.5184, 0.2904, 0.2524



28.5184, 0.4119, 0.3951

Complementary

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



28.5184, 0.2366, 0.3379



9.9561, 0.5327, 0.3233

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.



28.5184, 0.4185, 0.3555



28.5184, 0.2366, 0.3379



28.5184, 0.3447, 0.2772

Square

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



28.5184, 0.2366, 0.3379



28.5184, 0.2462, 0.2442



28.5184, 0.3933, 0.3136



28.5184, 0.3778, 0.4221

Rectangle

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



28.5184, 0.2366, 0.3379



28.5184, 0.2172, 0.2641



28.5184, 0.3933, 0.3136



28.5184, 0.4175, 0.3827

Sweetspot

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



28.5195, 0.2366, 0.3379



58.1827, 0.2828, 0.3313



26.4792, 0.3055, 0.5470



12.6362, 0.2795, 0.3317



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.



28.5195, 0.2366, 0.3379



50.2148, 0.2306, 0.3401



14.3968, 0.2089, 0.2269



8.0058, 0.2993, 0.3300



22.2203, 0.2283, 0.3420



0.4684, 0.2269, 0.3368

Inverse Universe

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



9.9561, 0.5327, 0.3233



14.8446, 0.5974, 0.3250



16.6956, 0.4758, 0.4035



7.0908, 0.3278, 0.3280



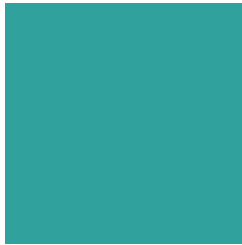
6.0656, 0.6339, 0.3266



0.1289, 0.6061, 0.3112

Previews

White Background



This preview shows how the Yxy color 28.5184, 0.2366, 0.3379 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 28.5184, 0.2366, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

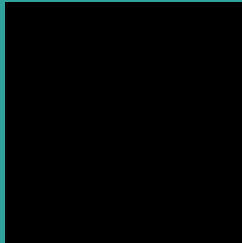
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5184, 0.2366, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 28.5184, 0.2366, 0.3379.

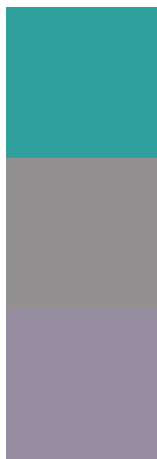


This preview shows how white text looks on a background with the Yxy color 28.5184, 0.2366, 0.3379.

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

28.5184, 0.2366, 0.3379

Protanopia

28.2249, 0.3139, 0.3258

Deuteranopia

28.1671, 0.3046, 0.2997



Tritanopia

28.6447, 0.2300, 0.3060

Trichromacy



Original Color

28.5184, 0.2366, 0.3379

Protanomaly

27.3942, 0.2757, 0.3289

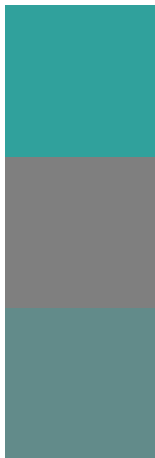
Deuteranomaly

27.2604, 0.2708, 0.3103

Tritanomaly

28.6791, 0.2326, 0.3181

Monochromacy



Original Color

28.5184, 0.2366, 0.3379

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.8969, 0.2724, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5184, 0.2366, 0.3379 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 156) }
```

Border

The CSS property to change the border of an element to Yxy 28.5184, 0.2366, 0.3379 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, 156) }
```

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

```
.border{ border-color:rgb(48, 161, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 156);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5184, 0.2366, 0.3379 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, 156) }
```

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

```
.background{ background-color: rgb(48, 161,  
156) }
```

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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