

Converting Colors

$Y_{xy}(28.0678, 0.2285, 0.3113)$

Have a look what the booklet for
Yxy(28.0678, 0.2285, 0.3113)
contains.

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Color

Yxy(27.9093, 0.2285, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	309EA8
RGB	48, 158, 168
RGB Percent	19%, 62%, 66%
CMY	0.8118, 0.3804, 0.3412
CMYK	0.71, 0.06, 0.00, 0.34
HSL	185°, 56%, 42%
HSV	185°, 71%, 66%
XYZ	20.5123, 27.9093, 41.3478
YIQ	126.2500, -68.7700, -20.2100

Conversions

Conversions Part 2

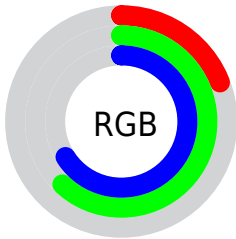
Format	Color
R _Y B	48, 105, 168
Decimal	3186344
CIE Lab	59.81, -26.84, -14.13
CIE LCh	60, 30.332, 207.764
Yxy	27.9093, 0.2285, 0.3109
Android (android.graphics.Color)	4281376424 (0xFF309EA8)
YUV	126.2500, 20.5828, -68.6252
Hunter-Lab	52.8293, -23.1440, -9.4239

Details

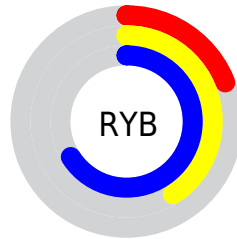
The Yxy color **27.9093, 0.2285, 0.3109** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5608, 0.5379, 0.3418**, and the grayscale version is **20.8987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3610, 0.2453, 0.3157**, and **11.5690, 0.2175, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **27.1022, 0.2231, 0.3081**, and if you desaturate by 10%, it is **28.8785, 0.2357, 0.3137**.

Distribution



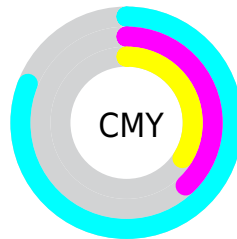
- Red (19%)
- Green (62%)
- Blue (66%)



- Red (19%)
- Yellow (41%)
- Blue (66%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (34%)




- Cyan (81%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9093, 0.2285, 0.3109 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 27.9093, 0.2285, 0.3109 by changing the saturation by 10% instead.


 27.9093, 0.2285,
0.3109


 27.9093, 0.2285,
0.3109


292.0333, 0.2728,
0.3220


 18.2573, 0.2168,
0.3073


 56.3396, 0.2451,
0.3155

 11.1349, 0.2014,
0.3022


 75.8867, 0.2512,
0.3170


 6.1576, 0.1805,
0.2944

 99.5009, 0.2563,
0.3183

 2.9412, 0.1507,
0.2812

 127.5667, 0.2606,
0.3193

 1.1011, 0.0893,
0.2609

 160.4685, 0.2643,
0.3201

 0.0000, 0.0000,
0.0000

198.5905, 0.2675,

0.3208

242.3173, 0.2703,
0.3215

■ 27.9093, 0.2285,
0.3109

■ 27.9093, 0.2285,
0.3109

■ 27.1022, 0.2231,
0.3081

■ 28.8785, 0.2357,
0.3137

■ 26.4356, 0.2195,
0.3053

■ 30.0225, 0.2448,
0.3165

■ 25.9418, 0.2175,
0.3029

■ 31.3559, 0.2555,
0.3192

■ 32.8913, 0.2677,
0.3218

■ 34.6397, 0.2812,
0.3243

■ 36.6118, 0.2955,
0.3266

■ 38.8172, 0.3105,
0.3287

■ 41.2651, 0.3259,
0.3306

■ 43.9641, 0.3414,
0.3324

Harmonies

Analogous

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



27.9093, 0.2563, 0.3611



27.9093, 0.2285, 0.3109



27.9093, 0.2218, 0.2717

Triad

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



27.9093, 0.2285, 0.3109



27.9093, 0.3190, 0.2675



27.9093, 0.3915, 0.4075

Complementary

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



27.9093, 0.2285, 0.3109



11.5608, 0.5379, 0.3418

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.



27.9093, 0.4124, 0.3754



27.9093, 0.2285, 0.3109



27.9093, 0.3692, 0.2977

Square

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



27.9093, 0.2285, 0.3109



27.9093, 0.2707, 0.2509



27.9093, 0.4046, 0.3359



27.9093, 0.3499, 0.4204

Rectangle

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



27.9093, 0.2285, 0.3109



27.9093, 0.2293, 0.2560



27.9093, 0.4046, 0.3359



27.9093, 0.4013, 0.3982

Sweetspot

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



27.9103, 0.2285, 0.3109



62.8818, 0.2812, 0.3243



28.9161, 0.2988, 0.5422



13.5151, 0.2776, 0.3237



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.9103, 0.2285, 0.3109



48.4144, 0.2207, 0.3064



12.5671, 0.2000, 0.1957



8.4237, 0.2987, 0.3271



19.6282, 0.2176, 0.3032



0.5077, 0.2201, 0.3124

Inverse Universe

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



12.9056, 0.3345, 0.1847



20.4117, 0.3394, 0.1705



21.0257, 0.4622, 0.4239



7.6557, 0.3150, 0.3086



8.0525, 0.3426, 0.1661



0.1990, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 27.9093, 0.2285, 0.3109 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 27.9093, 0.2285, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

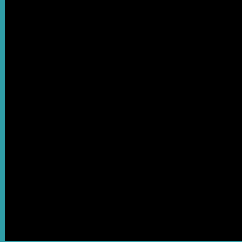
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9093, 0.2285, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 27.9093, 0.2285, 0.3109.



This preview shows how white text looks on a background with the Yxy color 27.9093, 0.2285, 0.3109.

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

27.9093, 0.2285, 0.3109

Protanopia

27.4773, 0.2963, 0.3035

Deuteranopia

27.5744, 0.2855, 0.2797



Tritanopia

28.0341, 0.2281, 0.3075

Trichromacy



Original Color

27.9093, 0.2285, 0.3109



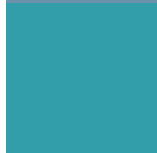
Protanomaly

26.9142, 0.2626, 0.3050



Deuteranomaly

26.9959, 0.2565, 0.2889



Tritanomaly

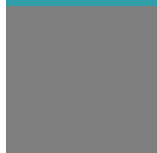
27.9713, 0.2283, 0.3092

Monochromacy



Original Color

27.9093, 0.2285, 0.3109



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

22.6967, 0.2697, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9093, 0.2285, 0.3109 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, 158, 168)` looks like.

```
.text, #text, p{  
  color:rgb(48, 158, 168)  
}
```

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, 158, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 158, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.9093, 0.2285, 0.3109 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, 158, 168) }
```

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

```
.border{ border-color:rgb(48, 158, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 158, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 158, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 158, 168);  
box-shadow:4px 4px 4px 4px rgb(48, 158,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9093, 0.2285, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 158, 168) }
```

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

```
.background{ background-color: rgb(48, 158,  
168) }
```

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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