

Converting Colors

$Yxy(28.9054, 0.2333, 0.3083)$

Have a look what the booklet for
Yxy(28.9054, 0.2333, 0.3083)
contains.

Yxy(28.7933, 0.2331, 0.3079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(28.7933, 0.2331, 0.3079)$

Conversions

Conversions Part 1

Format	Color
Hex	3F9FAB
RGB	63, 159, 171
RGB Percent	25%, 62%, 67%
CMY	0.7528, 0.3765, 0.3295
CMYK	0.63, 0.07, 0.00, 0.33
HSL	187°, 46%, 46%
HSV	187°, 63%, 67%
XYZ	21.7984, 28.7933, 42.9234
YIQ	131.6640, -61.0680, -16.6200

Conversions

Conversions Part 2

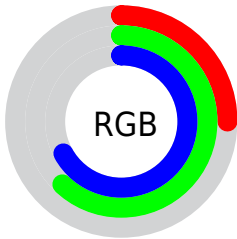
Format	Color
RYB	63, 114, 171
Decimal	4169643
CIELab	60.60, -24.11, -14.58
CIElCh	61, 28.178, 211.161
Yxy	28.7933, 0.2331, 0.3079
Android (android.graphics.Color)	4282359723 (0xFF3F9FAB)
YUV	131.6640, 19.3926, -60.2183
Hunter-Lab	53.6594, -21.3908, -9.8659




Details

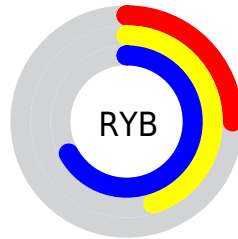
The Yxy color **28.7933, 0.2331, 0.3079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0484, 0.4975, 0.3459**, and the grayscale version is **22.8965, 0.3127, 0.3290**.




A 20% lighter version of the original color is **57.7217, 0.2486, 0.3134**, and **11.8473, 0.2162, 0.2983** is the 20% darker color. If you saturate the color by 10%, you get **27.6685, 0.2258, 0.3041**, and if you desaturate by 10%, it is **30.1051, 0.2422, 0.3117**.

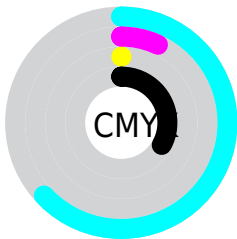
Distribution







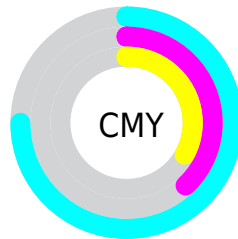
-  Red (25%)
-  Green (62%)
-  Blue (67%)






-  Red (25%)
-  Yellow (45%)
-  Blue (67%)



-  Cyan (63%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (33%)





-  Cyan (75%)
-  Magenta (38%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7933, 0.2331, 0.3079 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 28.7933, 0.2331, 0.3079 by changing the saturation by 10% instead.


 28.7933, 0.2331,
0.3079


 28.7933, 0.2331,
0.3079


296.2384, 0.2749,
0.3204


 18.9245, 0.2221,
0.3040


 57.7485, 0.2487,
0.3130


 11.6157, 0.2077,
0.2986


 77.6037, 0.2545,
0.3147


 6.4826, 0.1881,
0.2904


 101.5566, 0.2592,
0.3161

 3.1407, 0.1601,
0.2771

 129.9914, 0.2633,
0.3173

 1.2056, 0.1112,
0.2545

 163.2926, 0.2668,
0.3182

 0.0663, 0.0000,
0.0570

201.8445, 0.2699,

 0.0000, 0.0000,

0.3191

0.0000

246.0317, 0.2725,
0.3198

■ 28.7933, 0.2331,
0.3079

■ 28.7933, 0.2331,
0.3079

■ 27.6685, 0.2258,
0.3041

■ 30.1051, 0.2422,
0.3117

■ 26.7106, 0.2204,
0.3003

■ 31.6153, 0.2530,
0.3153

■ 25.9005, 0.2168,
0.2965

■ 33.3382, 0.2652,
0.3189

■ 25.3987, 0.2150,
0.2939

■ 35.2858, 0.2787,
0.3222

■ 37.4691, 0.2930,
0.3253

■ 39.8985, 0.3080,
0.3282

■ 42.5835, 0.3233,
0.3308

■ 45.5334, 0.3387,
0.3331

■ 48.7568, 0.3539,
0.3352

Harmonies

Analogous

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



28.7933, 0.2570, 0.3533



28.7933, 0.2331, 0.3079



28.7933, 0.2290, 0.2733

Triad

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



28.7933, 0.2331, 0.3079



28.7933, 0.3241, 0.2747



28.7933, 0.3819, 0.4039

Complementary

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



28.7933, 0.2331, 0.3079



14.0484, 0.4975, 0.3459

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.



28.7933, 0.4036, 0.3762



28.7933, 0.2331, 0.3079



28.7933, 0.3694, 0.3040

Square

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



28.7933, 0.2331, 0.3079



28.7933, 0.2787, 0.2575



28.7933, 0.3993, 0.3400



28.7933, 0.3423, 0.4124

Rectangle

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



28.7933, 0.2331, 0.3079



28.7933, 0.2375, 0.2600



28.7933, 0.3993, 0.3400



28.7933, 0.3917, 0.3963

Sweetspot

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



28.7944, 0.2331, 0.3079



64.6487, 0.2840, 0.3234



30.6664, 0.2977, 0.5117



14.1809, 0.2801, 0.3225



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.7944, 0.2331, 0.3079



48.8110, 0.2233, 0.3025



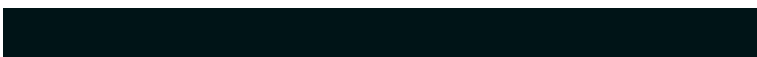
14.3498, 0.2099, 0.2066



8.9181, 0.2986, 0.3264



19.2009, 0.2151, 0.2943



0.5764, 0.2183, 0.3057

Inverse Universe

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



14.7179, 0.3360, 0.1992



22.3933, 0.3421, 0.1817



24.4009, 0.4386, 0.4217



8.1325, 0.3154, 0.3091



8.2414, 0.3505, 0.1704



0.2335, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 28.7933, 0.2331, 0.3079 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 28.7933, 0.2331, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

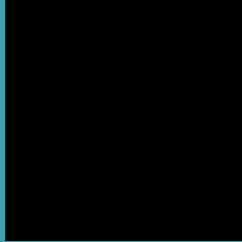
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7933, 0.2331, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 28.7933, 0.2331, 0.3079.

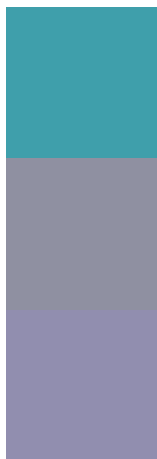


This preview shows how white text looks on a background with the Yxy color 28.7933, 0.2331, 0.3079.

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

28.7933, 0.2331, 0.3079

Protanopia

28.3594, 0.2956, 0.3023

Deuteranopia

28.4609, 0.2850, 0.2788



Tritanopia

28.8316, 0.2325, 0.3062

Trichromacy



Original Color

28.7933, 0.2331, 0.3079

Protanomaly

27.7889, 0.2662, 0.3023

Deuteranomaly

27.8806, 0.2601, 0.2866

Tritanomaly

28.8316, 0.2325, 0.3062

Monochromacy



Original Color

28.7933, 0.2331, 0.3079

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.5471, 0.2742, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7933, 0.2331, 0.3079 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(63, 159, 171)` looks like.

```
.text, #text, p{  
    color:rgb(63, 159, 171)  
}
```

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(63, 159, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 159, 171) }
```

Border

The CSS property to change the border of an element to Yxy 28.7933, 0.2331, 0.3079 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(63, 159, 171) }
```

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

```
.border{ border-color:rgb(63, 159, 171) }
```

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

Here you see how a box with a 4 pixel rgb(63, 159, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 159, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 159, 171);  
box-shadow:4px 4px 4px 4px rgb(63, 159,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7933, 0.2331, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 159, 171) }
```

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

```
.background{ background-color: rgb(63, 159,  
171) }
```

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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