

Converting Colors

$Y_{xy}(29.8941, 0.2970, 0.3363)$

Have a look what the booklet for
Yxy(29.8941, 0.2970, 0.3363)
contains.

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Color

$\text{Yxy}(29.9071, 0.2977, 0.3371)$

Conversions

Conversions Part 1

Format	Color
Hex	859994
RGB	133, 153, 148
RGB Percent	52%, 60%, 58%
CMY	0.4784, 0.4000, 0.4196
CMYK	0.13, 0.00, 0.03, 0.40
HSL	165°, 9%, 56%
HSV	165°, 13%, 60%
XYZ	26.4116, 29.9071, 32.4001
YIQ	146.4500, -10.3150, -5.7950

Conversions

Conversions Part 2

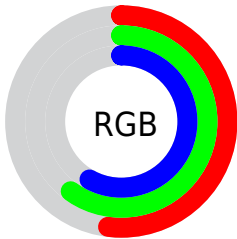
Format	Color
R_{YB}	133, 144, 153
Decimal	8755604
CIE Lab	61.57, -8.09, 0.22
CIE LCh	62, 8.095, 178.411
Yxy	29.9071, 0.2977, 0.3371
Android (android.graphics.Color)	4286945684 (0xFF859994)
YUV	146.4500, 0.7642, -11.7956
Hunter-Lab	54.6874, -9.4953, 3.1542

Details

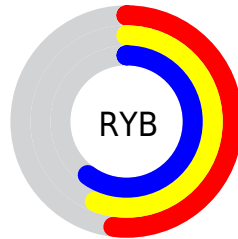
The Yxy color $29.9071, 0.2977, 0.3371$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.3871, 0.3303, 0.3211$, and the grayscale version is $28.9407, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.3290, 0.3006, 0.3350$, and $12.2048, 0.2927, 0.3410$ is the 20% darker color. If you saturate the color by 10%, you get $28.6331, 0.2868, 0.3440$, and if you desaturate by 10%, it is $31.3690, 0.3091, 0.3308$.

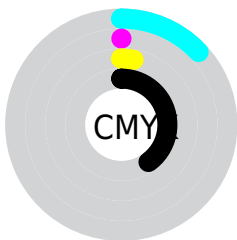
Distribution



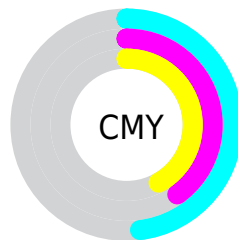
- Red (52%)
- Green (60%)
- Blue (58%)



- Red (52%)
- Yellow (56%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (48%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9071, 0.2977, 0.3371 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 29.9071, 0.2977, 0.3371 by changing the saturation by 10% instead.

■ 29.9071, 0.2977,
0.3371

■ 29.9071, 0.2977,
0.3371

301.4712, 0.3058,
0.3328

■ 19.7681, 0.2955,
0.3383

■ 59.5152, 0.3008,
0.3354

■ 12.2266, 0.2925,
0.3399

■ 79.7531, 0.3019,
0.3348

■ 6.8982, 0.2882,
0.3422

■ 104.1261, 0.3028,
0.3343

■ 3.3985, 0.2818,
0.3457

133.0186, 0.3036,
0.3339

■ 1.3432, 0.2706,
0.3518

166.8149, 0.3042,
0.3336

■ 0.1742, 0.0000,
0.5003

205.8996, 0.3048,

■ 0.0000, 0.0000,

0.3333

0.0000

250.6568, 0.3053,
0.3330

■ 29.9071, 0.2977,
0.3371

■ 29.9071, 0.2977,
0.3371

■ 28.6331, 0.2868,
0.3440

■ 31.3690, 0.3091,
0.3308

■ 27.5355, 0.2767,
0.3515

■ 33.0224, 0.3209,
0.3251

■ 26.6070, 0.2677,
0.3595

■ 34.8755, 0.3328,
0.3200

■ 25.8385, 0.2601,
0.3680

■ 36.9350, 0.3445,
0.3155

■ 25.2201, 0.2541,
0.3768

■ 39.2072, 0.3561,
0.3115

■ 24.7406, 0.2499,
0.3859

■ 41.6981, 0.3674,
0.3081

■ 24.3873, 0.2475,
0.3950

■ 44.4134, 0.3783,
0.3050

■ 24.1452, 0.2470,
0.4041

■ 47.2799, 0.3884,
0.3024

■ 24.0148, 0.2473,
0.4104

■ 47.4363, 0.3845,
0.2984

Harmonies

Analogous

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



29.9071, 0.3099, 0.3471



29.9071, 0.2977, 0.3371



29.9071, 0.2896, 0.3250

Triad

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



29.9071, 0.2977, 0.3371



29.9071, 0.3021, 0.3071



29.9071, 0.3385, 0.3429

Complementary

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



29.9071, 0.2977, 0.3371



25.3871, 0.3303, 0.3211

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.



29.9071, 0.3364, 0.3322



29.9071, 0.2977, 0.3371



29.9071, 0.3152, 0.3119

Square

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



29.9071, 0.2977, 0.3371



29.9071, 0.2921, 0.3080



29.9071, 0.3278, 0.3210



29.9071, 0.3335, 0.3502

Rectangle

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



29.9071, 0.2977, 0.3371



29.9071, 0.2875, 0.3176



29.9071, 0.3278, 0.3210



29.9071, 0.3386, 0.3396

Sweetspot

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



29.9084, 0.2977, 0.3371



55.8972, 0.3080, 0.3314



29.8803, 0.3162, 0.3618



12.3000, 0.3071, 0.3318



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.9084, 0.2977, 0.3371



52.7840, 0.2941, 0.3393



28.4686, 0.2932, 0.3208



7.0002, 0.3020, 0.3346



19.8537, 0.2472, 0.4098



0.3025, 0.2360, 0.3695

Inverse Universe

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



25.3871, 0.3303, 0.3211



42.8899, 0.3354, 0.3190



26.6466, 0.3347, 0.3371



6.2467, 0.3246, 0.3235



5.7188, 0.5878, 0.3012



0.0907, 0.4860, 0.2451

Previews

White Background



This preview shows how the Yxy color 29.9071, 0.2977, 0.3371 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 29.9071, 0.2977, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

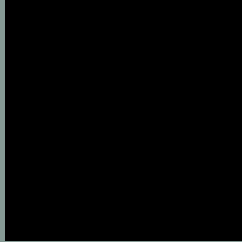
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9071, 0.2977, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 29.9071, 0.2977, 0.3371.

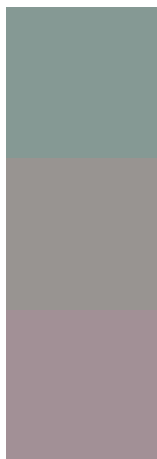


This preview shows how white text looks on a background with the Yxy color 29.9071, 0.2977, 0.3371.

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

29.9071, 0.2977, 0.3371

Protanopia

29.8995, 0.3198, 0.3337

Deuteranopia

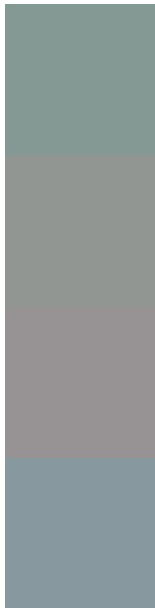
29.8299, 0.3259, 0.3200



Tritanopia

30.0118, 0.2875, 0.3100

Trichromacy



Original Color

29.9071, 0.2977, 0.3371

Protanomaly

29.9078, 0.3114, 0.3354

Deuteranomaly

29.6167, 0.3149, 0.3259

Tritanomaly

30.0760, 0.2909, 0.3194

Monochromacy



Original Color

29.9071, 0.2977, 0.3371

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.2642, 0.3065, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9071, 0.2977, 0.3371 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(133, 153, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 153, 148)  
}
```

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(133, 153, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 153, 148) }
```

Border

The CSS property to change the border of an element to Yxy 29.9071, 0.2977, 0.3371 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(133, 153, 148) }
```

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

```
.border{ border-color:rgb(133, 153, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 153, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 153, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 153, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 153,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9071, 0.2977, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 153, 148) }
```

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

```
.background{ background-color: rgb(133,  
153, 148) }
```

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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