

Converting Colors

$Y_{xy}(27.8703, 0.2970, 0.3160)$

Have a look what the booklet for
Yxy(27.8703, 0.2970, 0.3160)
contains.

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Color

Yxy(27.8691, 0.2970, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	899199
RGB	137, 145, 153
RGB Percent	54%, 57%, 60%
CMY	0.4627, 0.4314, 0.4000
CMYK	0.10, 0.05, 0.00, 0.40
HSL	210°, 7%, 57%
HSV	210°, 10%, 60%
XYZ	26.1934, 27.8691, 34.1308
YIQ	143.5200, -7.3360, 0.7920

Conversions

Conversions Part 2

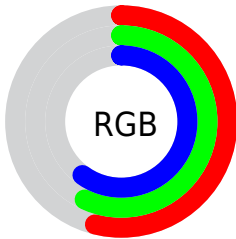
Format	Color
R _Y B	137, 142, 153
Decimal	9015705
CIE Lab	59.77, -1.22, -5.22
CIE LCh	60, 5.362, 256.868
Yxy	27.8691, 0.2970, 0.3160
Android (android.graphics.Color)	4287205785 (0xFF899199)
YUV	143.5200, 4.6736, -5.7180
Hunter-Lab	52.7912, -3.8182, -1.3786

Details

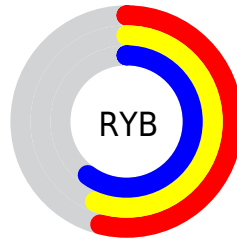
The Yxy color $27.8691, 0.2970, 0.3160$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $28.8326, 0.3292, 0.3417$, and the grayscale version is $27.6717, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2990, 0.3001, 0.3193$, and $11.1700, 0.2913, 0.3123$ is the 20% darker color. If you saturate the color by 10%, you get $24.4060, 0.2814, 0.3021$, and if you desaturate by 10%, it is $31.6756, 0.3121, 0.3285$.

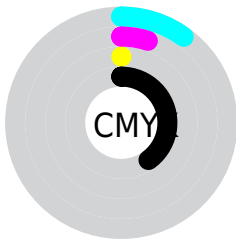
Distribution



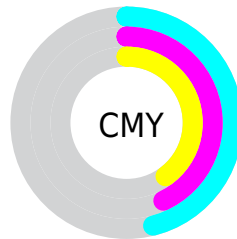
- Red (54%)
- Green (57%)
- Blue (60%)



- Red (54%)
- Yellow (56%)
- Blue (60%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)



- Cyan (46%)
- Magenta (43%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8691, 0.2970, 0.3160 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 27.8691, 0.2970, 0.3160 by changing the saturation by 10% instead.

■ 27.8691, 0.2970,
0.3160

■ 27.8691, 0.2970,
0.3160

■ 291.8409, 0.3055,
0.3231

■ 18.2270, 0.2946,
0.3140

■ 56.2754, 0.3003,
0.3187

■ 11.1131, 0.2914,
0.3113

■ 75.8084, 0.3014,
0.3197

■ 6.1430, 0.2868,
0.3074

■ 99.4071, 0.3024,
0.3205

■ 2.9322, 0.2798,
0.3014

■ 127.4560, 0.3032,
0.3212

■ 1.0964, 0.2674,
0.2908

■ 160.3394, 0.3039,
0.3218

■ 0.0000, 0.0000,
0.0000

198.4418, 0.3045,

0.3223

242.1475, 0.3050,
0.3227

■ 27.8691, 0.2970,
0.3160

■ 27.8691, 0.2970,
0.3160

■ 24.4060, 0.2814,
0.3021

■ 31.6756, 0.3121,
0.3285

■ 21.2720, 0.2654,
0.2868

■ 35.8321, 0.3264,
0.3396

■ 18.4569, 0.2495,
0.2703

■ 40.3497, 0.3400,
0.3495

■ 15.9486, 0.2340,
0.2525

■ 45.2376, 0.3527,
0.3582

■ 13.7338, 0.2193,
0.2339

■ 50.5048, 0.3645,
0.3658

■ 11.7985, 0.2059,
0.2148

■ 56.1599, 0.3755,
0.3725

■ 10.1267, 0.1944,
0.1957

■ 62.2113, 0.3857,
0.3783

■ 8.7004, 0.1851,
0.1771

■ 67.8204, 0.3916,
0.3842

■ 7.5282, 0.1778,
0.1601

■ 71.6026, 0.3884,
0.3916

Harmonies

Analogous

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



27.8691, 0.2956, 0.3217



27.8691, 0.2970, 0.3160



27.8691, 0.3026, 0.3138

Triad

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



27.8691, 0.2970, 0.3160



27.8691, 0.3269, 0.3283



27.8691, 0.3143, 0.3429

Complementary

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



27.8691, 0.2970, 0.3160



28.8326, 0.3292, 0.3417

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.



27.8691, 0.3228, 0.3445



27.8691, 0.2970, 0.3160



27.8691, 0.3302, 0.3359

Square

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



27.8691, 0.2970, 0.3160



27.8691, 0.3199, 0.3209



27.8691, 0.3286, 0.3419



27.8691, 0.3055, 0.3374

Rectangle

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



27.8691, 0.2970, 0.3160



27.8691, 0.3080, 0.3146



27.8691, 0.3286, 0.3419



27.8691, 0.3173, 0.3439

Sweetspot

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



27.8703, 0.2970, 0.3160



54.8886, 0.3082, 0.3253



30.1438, 0.3042, 0.3419



12.0023, 0.3070, 0.3244



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.



27.8703, 0.2970, 0.3160



48.1093, 0.2926, 0.3122



25.5172, 0.2969, 0.3028



6.5106, 0.2989, 0.3176



6.2896, 0.1782, 0.1613



0.1667, 0.1991, 0.2368

Inverse Universe

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



26.7131, 0.3221, 0.3164



45.5756, 0.3250, 0.3129



31.3572, 0.3278, 0.3539



6.2716, 0.3210, 0.3179



6.0402, 0.4915, 0.2481



0.0976, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 27.8691, 0.2970, 0.3160 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 27.8691, 0.2970, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

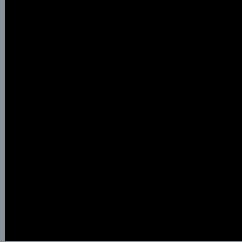
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

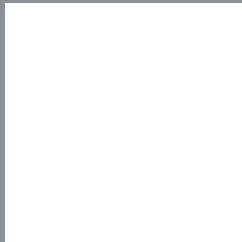
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8691, 0.2970, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 27.8691, 0.2970, 0.3160.



This preview shows how white text looks on a background with the Yxy color 27.8691, 0.2970, 0.3160.

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

27.8691, 0.2970, 0.3160

Protanopia

27.8412, 0.3050, 0.3146

Deuteranopia

27.8616, 0.3127, 0.3073



Tritanopia

28.0544, 0.2952, 0.3113

Trichromacy



Original Color

27.8691, 0.2970, 0.3160

Protanomaly

27.8762, 0.3019, 0.3161

Deuteranomaly

27.8821, 0.3062, 0.3101

Tritanomaly

28.0206, 0.2961, 0.3129

Monochromacy



Original Color

27.8691, 0.2970, 0.3160

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7158, 0.3067, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8691, 0.2970, 0.3160 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(137, 145, 153)` looks like.

```
.text, #text, p{  
    color:rgb(137, 145, 153)  
}
```

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(137, 145, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 145, 153) }
```

Border

The CSS property to change the border of an element to Yxy 27.8691, 0.2970, 0.3160 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(137, 145, 153) }
```

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

```
.border{ border-color:rgb(137, 145, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 145, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 145, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 145, 153);  
box-shadow:4px 4px 4px 4px rgb(137, 145,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8691, 0.2970, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 145, 153) }
```

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

```
.background{ background-color: rgb(137,  
145, 153) }
```

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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