

Converting Colors

$Y_{xy}(27.8084, 0.3451, 0.3184)$

Have a look what the booklet for
Yxy(27.8084, 0.3451, 0.3184)
contains.

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Color

Yxy(27.8270, 0.3450, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	AA878E
RGB	170, 135, 142
RGB Percent	67%, 53%, 56%
CMY	0.3333, 0.4706, 0.4432
CMYK	0.00, 0.21, 0.16, 0.33
HSL	348°, 17%, 60%
HSV	348°, 21%, 67%
XYZ	30.1234, 27.8270, 29.3637
YIQ	146.2630, 18.6130, 9.5970

Conversions

Conversions Part 2

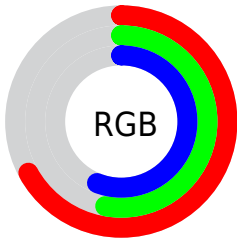
Format	Color
R_{YB}	170, 135, 142
Decimal	11175822
CIE _{Lab}	59.73, 14.47, 1.36
CIE _{LCh}	60, 14.530, 5.360
Yxy	27.8270, 0.3450, 0.3187
Android (android.graphics.Color)	4289365902 (0xFFAA878E)
YUV	146.2630, -2.1017, 20.8173
Hunter-Lab	52.7513, 9.6167, 3.9225

Details

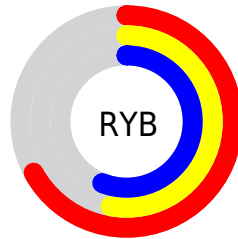
The Yxy color $27.8270, 0.3450, 0.3187$ is a dark color, and the websafe version is hex $CC9999$. A complement of this color would be $36.5490, 0.2879, 0.3396$, and the grayscale version is $28.8614, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1207, 0.3382, 0.3200$, and $11.0516, 0.3559, 0.3143$ is the 20% darker color. If you saturate the color by 10%, you get $23.0726, 0.3664, 0.3134$, and if you desaturate by 10%, it is $33.3914, 0.3276, 0.3239$.

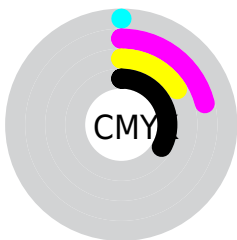
Distribution



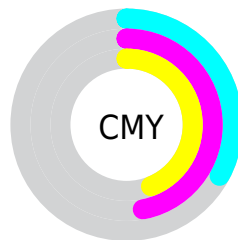
- Red (67%)
- Green (53%)
- Blue (56%)



- Red (67%)
- Yellow (53%)
- Blue (56%)



- Cyan (0%)
- Magenta (21%)
- Yellow (16%)
- Black (33%)



- Cyan (33%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8270, 0.3450, 0.3187 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 27.8270, 0.3450, 0.3187 by changing the saturation by 10% instead.


 27.8270, 0.3450,
0.3187

 27.8270, 0.3450,
0.3187


291.6393, 0.3274,
0.3244

 18.1953, 0.3499,
0.3171


 56.2081, 0.3382,
0.3209

 11.0903, 0.3566,
0.3149


 75.7263, 0.3358,
0.3217

 6.1276, 0.3663,
0.3116

 99.3088, 0.3338,
0.3223

 2.9228, 0.3814,
0.3065

127.3400, 0.3321,
0.3229

 1.0916, 0.4080,
0.2972

160.2042, 0.3307,
0.3233

 0.0000, 1.0000,
0.0000

198.2859, 0.3295,

 0.0000, 0.0000,

0.3237

0.0000

241.9695, 0.3284,
0.3241

■ 27.8270, 0.3450,
0.3187

■ 27.8270, 0.3450,
0.3187

■ 23.0726, 0.3664,
0.3134

■ 33.3914, 0.3276,
0.3239

■ 19.0867, 0.3925,
0.3081

■ 39.7973, 0.3135,
0.3287

■ 15.8299, 0.4237,
0.3034


■ 47.0789, 0.3020,
0.3332

■ 13.2578, 0.4599,
0.3000


■ 55.2677, 0.2927,
0.3373

■ 11.3211, 0.4998,
0.2986


■ 64.3933, 0.2850,
0.3411

 9.9637, 0.5405,
0.3001


 74.4842, 0.2787,
0.3444

 9.1199, 0.5777,
0.3051

 85.5676, 0.2735,
0.3475

 8.6614, 0.6064,
0.3114

 87.0256, 0.2671,
0.3333

 87.2868, 0.2652,
0.3289

Harmonies

Analogous

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



27.8270, 0.3226, 0.3014



27.8270, 0.3450, 0.3187



27.8270, 0.3586, 0.3390

Triad

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



27.8270, 0.3450, 0.3187



27.8270, 0.3258, 0.3707



27.8270, 0.2680, 0.2983

Complementary

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



27.8270, 0.3450, 0.3187



36.5490, 0.2879, 0.3396

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.



27.8270, 0.2689, 0.3161



27.8270, 0.3450, 0.3187



27.8270, 0.3016, 0.3592

Square

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



27.8270, 0.3450, 0.3187



27.8270, 0.3471, 0.3698



27.8270, 0.2810, 0.3387



27.8270, 0.2786, 0.2895

Rectangle

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



27.8270, 0.3450, 0.3187



27.8270, 0.3606, 0.3520



27.8270, 0.2810, 0.3387



27.8270, 0.2670, 0.3034

Sweetspot

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



27.8283, 0.3450, 0.3187



65.5936, 0.3209, 0.3261



28.0190, 0.3076, 0.2778



14.4670, 0.3218, 0.3258



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.



27.8283, 0.3450, 0.3187



46.1109, 0.3549, 0.3161



30.7018, 0.3498, 0.3447



7.5658, 0.3256, 0.3245



6.3775, 0.6040, 0.3101



0.1619, 0.5213, 0.2645

Inverse Universe

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



27.8283, 0.3450, 0.3187



46.1109, 0.3549, 0.3161



33.0246, 0.2816, 0.3127



7.5658, 0.3256, 0.3245



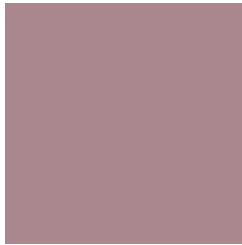
6.3775, 0.6040, 0.3101



0.1619, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 27.8270, 0.3450, 0.3187 looks on a white background.

Color Contrast Check

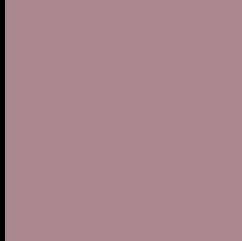
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8270, 0.3450, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

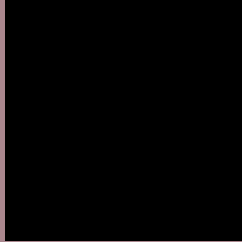
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8270, 0.3450, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 27.8270, 0.3450, 0.3187.



This preview shows how white text looks on a background with the Yxy color 27.8270, 0.3450, 0.3187.

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

27.8270, 0.3450, 0.3187

Protanopia

27.8625, 0.3120, 0.3226

Deuteranopia

27.7593, 0.3328, 0.3260



Tritanopia

27.9183, 0.3416, 0.3142

Trichromacy



Original Color

27.8270, 0.3450, 0.3187

Protanomaly

27.7691, 0.3240, 0.3212

Deuteranomaly

27.8866, 0.3374, 0.3245

Tritanomaly

27.8876, 0.3427, 0.3157

Monochromacy



Original Color

27.8270, 0.3450, 0.3187

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.3589, 0.3237, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8270, 0.3450, 0.3187 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(170, 135, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 142)  
}
```

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(170, 135, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 142) }
```

Border

The CSS property to change the border of an element to Yxy 27.8270, 0.3450, 0.3187 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(170, 135, 142) }
```

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

```
.border{ border-color:rgb(170, 135, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 135, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 135, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 135, 142); box-shadow:4px 4px 4px 4px rgb(170, 135, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8270, 0.3450, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 142) }
```

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

```
.background{ background-color: rgb(170,  
135, 142) }
```

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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