

Converting Colors

$Y_{xy}(27.8732, 0.3302, 0.3879)$

Have a look what the booklet for
Yxy(27.8732, 0.3302, 0.3879)
contains.

Yxy(27.8010, 0.3297, 0.3871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8010, 0.3297, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	869573
RGB	134, 149, 115
RGB Percent	53%, 58%, 45%
CMY	0.4743, 0.4157, 0.5490
CMYK	0.10, 0.00, 0.23, 0.42
HSL	86°, 14%, 52%
HSV	86°, 23%, 58%
XYZ	23.6786, 27.8010, 20.3390
YIQ	140.6390, 1.9740, -13.7540

Conversions

Conversions Part 2

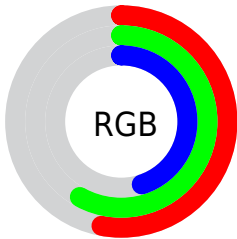
Format	Color
R_{YB}	115, 149, 130
Decimal	8820083
CIE _{Lab}	59.71, -11.72, 16.20
CIE _{LCh}	60, 19.996, 125.872
Y _{xy}	27.8010, 0.3297, 0.3871
Android (android.graphics.Color)	4287010163 (0xFF869573)
YUV	140.6390, -12.6400, -5.8224
Hunter-Lab	52.7267, -12.1104, 14.0378

Details

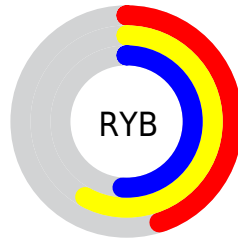
The Yxy color $27.8010, 0.3297, 0.3871$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $19.1747, 0.2925, 0.2702$, and the grayscale version is $26.5403, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0667, 0.3262, 0.3745$, and $11.0254, 0.3344, 0.4080$ is the 20% darker color. If you saturate the color by 10%, you get $26.9643, 0.3367, 0.4150$, and if you desaturate by 10%, it is $28.7290, 0.3223, 0.3605$.

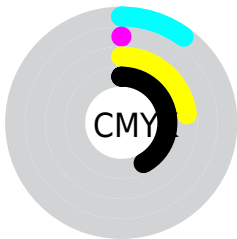
Distribution



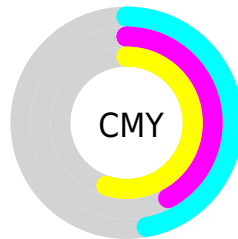
- Red (53%)
- Green (58%)
- Blue (45%)



- Red (45%)
- Yellow (58%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (42%)





- Cyan (47%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8010, 0.3297, 0.3871 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 27.8010, 0.3297, 0.3871 by changing the saturation by 10% instead.


 27.8010, 0.3297,
0.3871

 27.8010, 0.3297,
0.3871


291.5148, 0.3209,
0.3548


 18.1757, 0.3319,
0.3964


 56.1666, 0.3265,
0.3745

 11.0762, 0.3348,
0.4092


 75.6756, 0.3253,
0.3700

 6.1181, 0.3384,
0.4280


 99.2481, 0.3242,
0.3664

 2.9170, 0.3430,
0.4577

 127.2683, 0.3234,
0.3633

 1.0886, 0.3951,
0.5848

160.1207, 0.3226,
0.3607

 0.0000, 0.0000,
0.0000

198.1896, 0.3220,

0.3585

241.8595, 0.3214,
0.3565

■ 27.8010, 0.3297,
0.3871

■ 27.8010, 0.3297,
0.3871

■ 26.9643, 0.3367,
0.4150

■ 28.7290, 0.3223,
0.3605

■ 26.2119, 0.3429,
0.4434

■ 29.7477, 0.3148,
0.3356

■ 25.5416, 0.3480,
0.4715

■ 30.8611, 0.3074,
0.3128

■ 24.9496, 0.3514,
0.4979

■ 32.0722, 0.3003,
0.2919

■ 24.4317, 0.3528,
0.5213

■ 33.3834, 0.2935,
0.2731

■ 23.9832, 0.3521,
0.5406

■ 34.7973, 0.2872,
0.2562

■ 23.5988, 0.3491,
0.5549

■ 36.3163, 0.2812,
0.2410

■ 23.3522, 0.3462,
0.5633

■ 37.9428, 0.2757,
0.2274

■ 39.6791, 0.2706,
0.2153

Harmonies

Analogous

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



27.8010, 0.3593, 0.3852



27.8010, 0.3297, 0.3871



27.8010, 0.2966, 0.3708

Triad

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



27.8010, 0.3297, 0.3871



27.8010, 0.2522, 0.2863



27.8010, 0.3577, 0.3151

Complementary

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



27.8010, 0.3297, 0.3871



19.1747, 0.2925, 0.2702

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.



27.8010, 0.3267, 0.2919



27.8010, 0.3297, 0.3871



27.8010, 0.2664, 0.2751

Square

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



27.8010, 0.3297, 0.3871



27.8010, 0.2530, 0.3101



27.8010, 0.2932, 0.2775



27.8010, 0.3764, 0.3424

Rectangle

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



27.8010, 0.3297, 0.3871



27.8010, 0.2770, 0.3521



27.8010, 0.2932, 0.2775



27.8010, 0.3483, 0.3067

Sweetspot

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



27.8022, 0.3297, 0.3871



52.4696, 0.3181, 0.3462



23.5211, 0.3525, 0.3538



11.6075, 0.3184, 0.3474



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.8022, 0.3297, 0.3871



49.0654, 0.3331, 0.4002



26.5311, 0.3121, 0.3903



6.6190, 0.3196, 0.3513



19.6742, 0.3467, 0.5629



0.2583, 0.3790, 0.5372

Inverse Universe

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



19.1747, 0.2925, 0.2702



31.0207, 0.2874, 0.2567



20.6102, 0.3125, 0.2736



5.7503, 0.3054, 0.3066



2.8048, 0.1935, 0.0840



0.0513, 0.2434, 0.1115

Previews

White Background



This preview shows how the Yxy color 27.8010, 0.3297, 0.3871 looks on a white background.

Color Contrast Check

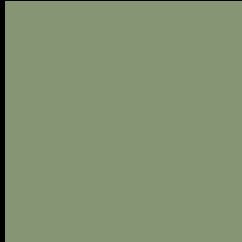
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8010, 0.3297, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

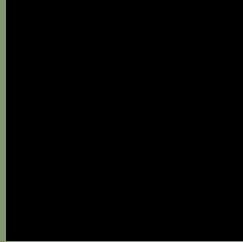
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8010, 0.3297, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 27.8010, 0.3297, 0.3871.



This preview shows how white text looks on a background with the Yxy color 27.8010, 0.3297, 0.3871.

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

27.8010, 0.3297, 0.3871

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.6768, 0.3686, 0.3613



Tritanopia

27.8885, 0.2981, 0.3113

Trichromacy



Original Color

27.8010, 0.3297, 0.3871

Protanomaly

27.5540, 0.3460, 0.3820

Deuteranomaly

27.5755, 0.3542, 0.3708

Tritanomaly

27.8545, 0.3102, 0.3389

Monochromacy



Original Color

27.8010, 0.3297, 0.3871

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0157, 0.3182, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8010, 0.3297, 0.3871 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(134, 149, 115)` looks like.

```
.text, #text, p{  
    color:rgb(134, 149, 115)  
}
```

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(134, 149, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 149, 115) }
```

Border

The CSS property to change the border of an element to Yxy 27.8010, 0.3297, 0.3871 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(134, 149, 115) }
```

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

```
.border{ border-color:rgb(134, 149, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 149, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 149, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 149, 115);  
box-shadow:4px 4px 4px 4px rgb(134, 149,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8010, 0.3297, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 149, 115) }
```

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

```
.background{ background-color: rgb(134,  
149, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor