

Converting Colors

$Y_{xy}(28.1233, 0.3563, 0.3430)$

Have a look what the booklet for
Yxy(28.1233, 0.3563, 0.3430)
contains.

Yxy(28.0868, 0.3564, 0.3428)	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

Yxy(28.0868, 0.3564, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	A88A81
RGB	168, 138, 129
RGB Percent	66%, 54%, 51%
CMY	0.3411, 0.4588, 0.4942
CMYK	0.00, 0.18, 0.23, 0.34
HSL	14°, 18%, 58%
HSV	14°, 23%, 66%
XYZ	29.2011, 28.0868, 24.6456
YIQ	145.9440, 20.7690, 3.5610

Conversions

Conversions Part 2

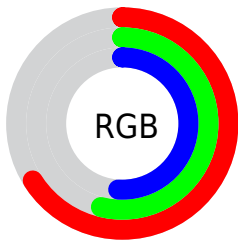
Format	Color
R_{YB}	168, 141, 129
Decimal	11045505
CIE _{Lab}	59.97, 9.94, 9.09
CIE _{LCh}	60, 13.470, 42.448
Yxy	28.0868, 0.3564, 0.3428
Android (android.graphics.Color)	4289235585 (0xFFA88A81)
YUV	145.9440, -8.3534, 19.3431
Hunter-Lab	52.9970, 5.6080, 9.5258

Details

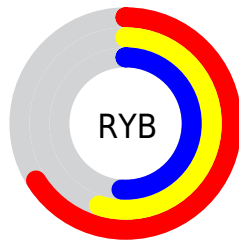
The Yxy color $28.0868, 0.3564, 0.3428$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $32.2907, 0.2780, 0.3147$, and the grayscale version is $28.7497, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.4863, 0.3474, 0.3394$, and $11.2035, 0.3714, 0.3465$ is the 20% darker color. If you saturate the color by 10%, you get $24.1877, 0.3815, 0.3491$, and if you desaturate by 10%, it is $32.5031, 0.3353, 0.3366$.

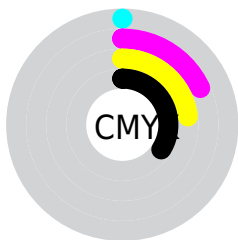
Distribution



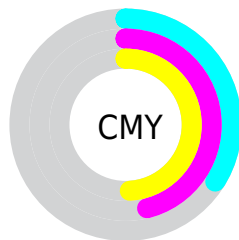
- Red (66%)
- Green (54%)
- Blue (51%)



- Red (66%)
- Yellow (55%)
- Blue (51%)



- Cyan (0%)
- Magenta (18%)
- Yellow (23%)
- Black (34%)





- Cyan (34%)
- Magenta (46%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0868, 0.3564, 0.3428 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 28.0868, 0.3564, 0.3428 by changing the saturation by 10% instead.


 28.0868, 0.3564,
0.3428


 28.0868, 0.3564,
0.3428


292.8814, 0.3325,
0.3357


 18.3911, 0.3631,
0.3446


 56.6230, 0.3472,
0.3402

 11.2311, 0.3723,
0.3470


 76.2323, 0.3439,
0.3392

 6.2225, 0.3854,
0.3501


 99.9149, 0.3412,
0.3384

 2.9809, 0.4058,
0.3544

128.0552, 0.3389,
0.3377

 1.1217, 0.4492,
0.3661

161.0376, 0.3370,
0.3371

 0.0000, 1.0000,
0.0000

199.2465, 0.3353,

 0.0000, 0.0000,

0.3366

0.0000

243.0663, 0.3338,
0.3361

■ 28.0868, 0.3564,
0.3428

■ 28.0868, 0.3564,
0.3428

■ 24.1877, 0.3815,
0.3491

■ 32.5031, 0.3353,
0.3366

■ 20.7829, 0.4111,
0.3553

■ 37.4507, 0.3177,
0.3308

■ 17.8535, 0.4452,
0.3608

■ 42.9480, 0.3031,
0.3254

■ 15.3780, 0.4830,
0.3647

■ 49.0113, 0.2908,
0.3204

■ 13.3329, 0.5227,
0.3661

■ 55.6564, 0.2806,
0.3159

■ 11.6927, 0.5606,
0.3641

■ 62.8981, 0.2719,
0.3118

■ 10.4290, 0.5926,
0.3582

■ 70.7510, 0.2645,
0.3081

■ 9.7648, 0.6106,
0.3534

■ 78.6763, 0.2623,
0.3137

■ 86.6150, 0.2642,
0.3281

Harmonies

Analogous

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



28.0868, 0.3464, 0.3239



28.0868, 0.3564, 0.3428



28.0868, 0.3541, 0.3590

Triad

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



28.0868, 0.3564, 0.3428



28.0868, 0.2975, 0.3529



28.0868, 0.2848, 0.2918

Complementary

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



28.0868, 0.3564, 0.3428



32.2907, 0.2780, 0.3147

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.



28.0868, 0.2727, 0.2979



28.0868, 0.3564, 0.3428



28.0868, 0.2798, 0.3330

Square

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



28.0868, 0.3564, 0.3428



28.0868, 0.3196, 0.3659



28.0868, 0.2709, 0.3127



28.0868, 0.3046, 0.2952

Rectangle

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



28.0868, 0.3564, 0.3428



28.0868, 0.3461, 0.3660



28.0868, 0.2709, 0.3127



28.0868, 0.2797, 0.2928

Sweetspot

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



28.0881, 0.3564, 0.3428



64.3294, 0.3242, 0.3330



26.5459, 0.3244, 0.2841



13.9112, 0.3252, 0.3333



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.0881, 0.3564, 0.3428



47.1062, 0.3691, 0.3462



34.0108, 0.3503, 0.3705



7.8131, 0.3280, 0.3343



7.4397, 0.6089, 0.3547



0.2552, 0.5486, 0.4026

Inverse Universe

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



32.2907, 0.2780, 0.3147



56.1082, 0.2704, 0.3111



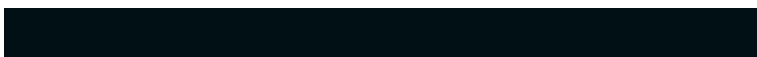
26.2628, 0.2756, 0.2838



8.2339, 0.2987, 0.3237



14.1114, 0.2039, 0.2541



0.4134, 0.2116, 0.2816

Previews

White Background



This preview shows how the Yxy color 28.0868, 0.3564, 0.3428 looks on a white background.

Color Contrast Check

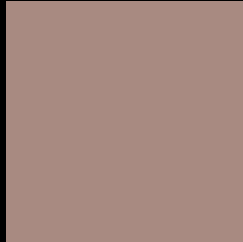
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0868, 0.3564, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

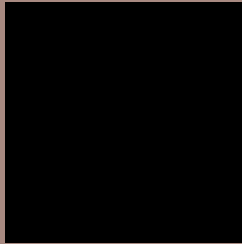
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0868, 0.3564, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 28.0868, 0.3564, 0.3428.



This preview shows how white text looks on a background with the Yxy color 28.0868, 0.3564, 0.3428.

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

28.0868, 0.3564, 0.3428

Protanopia

28.0965, 0.3312, 0.3483

Deuteranopia

27.9427, 0.3514, 0.3445



Tritanopia

27.9493, 0.3405, 0.3128

Trichromacy



Original Color

28.0868, 0.3564, 0.3428

Protanomaly

28.1528, 0.3405, 0.3464

Deuteranomaly

28.0495, 0.3526, 0.3445

Tritanomaly

27.9368, 0.3458, 0.3231

Monochromacy



Original Color

28.0868, 0.3564, 0.3428

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.4084, 0.3276, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0868, 0.3564, 0.3428 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(168, 138, 129)` looks like.

```
.text, #text, p{  
    color:rgb(168, 138, 129)  
}
```

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(168, 138, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 138, 129) }
```

Border

The CSS property to change the border of an element to Yxy 28.0868, 0.3564, 0.3428 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(168, 138, 129) }
```

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

```
.border{ border-color:rgb(168, 138, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 138, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 138, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 138, 129);  
box-shadow:4px 4px 4px 4px rgb(168, 138,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0868, 0.3564, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 138, 129) }
```

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

```
.background{ background-color: rgb(168,  
138, 129) }
```

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