

Converting Colors

$Y_{xy}(29.9687, 0.3561, 0.3376)$

Have a look what the booklet for
Yxy(29.9687, 0.3561, 0.3376)
contains.

Yxy(29.9130, 0.3567, 0.3379)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9130, 0.3567, 0.3379)

Conversions

Conversions Part 1

Format	Color
Hex	AF8D87
RGB	175, 141, 135
RGB Percent	69%, 55%, 53%
CMY	0.3137, 0.4470, 0.4705
CMYK	0.00, 0.19, 0.23, 0.31
HSL	9°, 20%, 61%
HSV	9°, 23%, 69%
XYZ	31.5773, 29.9130, 27.0359
YIQ	150.4820, 22.1900, 5.3420

Conversions

Conversions Part 2

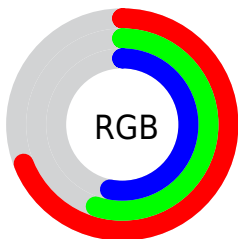
Format	Color
R_{YB}	175, 142, 135
Decimal	11505031
CIE _{Lab}	61.58, 11.90, 8.05
CIE _{LCh}	62, 14.371, 34.070
Yxy	29.9130, 0.3567, 0.3379
Android (android.graphics.Color)	4289695111 (0xFFAF8D87)
YUV	150.4820, -7.6326, 21.5023
Hunter-Lab	54.6928, 7.3460, 8.9765

Details

The Yxy color $29.9130, 0.3567, 0.3379$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $36.6250, 0.2788, 0.3199$, and the grayscale version is $30.7417, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.6500, 0.3476, 0.3369$, and $12.2756, 0.3730, 0.3416$ is the 20% darker color. If you saturate the color by 10%, you get $25.3643, 0.3830, 0.3421$, and if you desaturate by 10%, it is $35.1349, 0.3350, 0.3338$.

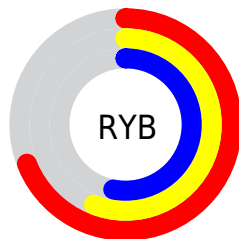
Distribution



Red (69%)

Green (55%)

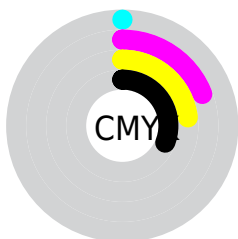
Blue (53%)



Red (69%)

Yellow (56%)

Blue (53%)

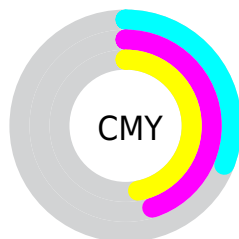


Cyan (0%)

Magenta (19%)

Yellow (23%)

Black (31%)



Cyan (31%)


Magenta (45%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9130, 0.3567, 0.3379 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 29.9130, 0.3567, 0.3379 by changing the saturation by 10% instead.


 29.9130, 0.3567,
0.3379

 29.9130, 0.3567,
0.3379

301.4987, 0.3329,
0.3335


 19.7726, 0.3633,
0.3390


 59.5246, 0.3476,
0.3363

 12.2298, 0.3722,
0.3403


 79.7645, 0.3443,
0.3357

 6.9004, 0.3850,
0.3419


 104.1397, 0.3416,
0.3352

 3.3999, 0.4045,
0.3440

133.0346, 0.3393,
0.3348

 1.3439, 0.4386,
0.3466

166.8335, 0.3374,
0.3344

 0.1748, 0.7232,
0.2768

205.9209, 0.3357,

 0.0000, 0.0000,

0.3341

0.0000

250.6812, 0.3342,
0.3338

■ 29.9130, 0.3567,
0.3379

■ 29.9130, 0.3567,
0.3379

■ 25.3643, 0.3830,
0.3421

■ 35.1349, 0.3350,
0.3338

■ 21.4574, 0.4144,
0.3461

■ 41.0515, 0.3172,
0.3300

■ 18.1644, 0.4511,
0.3496

■ 47.6886, 0.3025,
0.3265

■ 15.4540, 0.4922,
0.3519

■ 55.0693, 0.2905,
0.3233

■ 13.2919, 0.5351,
0.3523

■ 63.2159, 0.2804,
0.3204

■ 11.6402, 0.5755,
0.3502

■ 72.1494, 0.2721,
0.3178

■ 10.4559, 0.6080,
0.3454

■ 81.7275, 0.2663,
0.3181

■ 9.8622, 0.6254,
0.3416

■ 87.8535, 0.2676,
0.3289

Harmonies

Analogous

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



29.9130, 0.3431, 0.3183



29.9130, 0.3567, 0.3379



29.9130, 0.3580, 0.3562

Triad

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



29.9130, 0.3567, 0.3379



29.9130, 0.3030, 0.3588



29.9130, 0.2791, 0.2910

Complementary

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



29.9130, 0.3567, 0.3379



36.6250, 0.2788, 0.3199

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.



29.9130, 0.2693, 0.3000



29.9130, 0.3567, 0.3379



29.9130, 0.2828, 0.3393

Square

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



29.9130, 0.3567, 0.3379



29.9130, 0.3264, 0.3695



29.9130, 0.2706, 0.3175



29.9130, 0.2979, 0.2918

Rectangle

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



29.9130, 0.3567, 0.3379



29.9130, 0.3517, 0.3651



29.9130, 0.2706, 0.3175



29.9130, 0.2747, 0.2929

Sweetspot

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



29.9144, 0.3567, 0.3379



68.8412, 0.3244, 0.3316



29.3350, 0.3207, 0.2803



15.1636, 0.3254, 0.3319



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.9144, 0.3567, 0.3379



49.6675, 0.3682, 0.3398



36.1215, 0.3508, 0.3653



8.2019, 0.3283, 0.3325



7.1216, 0.6238, 0.3429



0.2562, 0.5774, 0.3798

Inverse Universe

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



36.6250, 0.2788, 0.3199



63.6378, 0.2723, 0.3179



29.9559, 0.2765, 0.2898



8.8645, 0.2986, 0.3255



17.6306, 0.2115, 0.2815



0.5449, 0.2159, 0.2973

Previews

White Background



This preview shows how the Yxy color 29.9130, 0.3567, 0.3379 looks on a white background.

Color Contrast Check

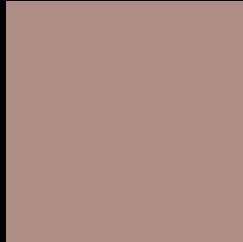
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9130, 0.3567, 0.3379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

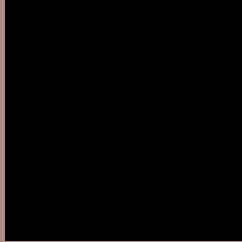
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9130, 0.3567, 0.3379

Background



This preview shows how black text looks on a background with the Yxy color 29.9130, 0.3567, 0.3379.



This preview shows how white text looks on a background with the Yxy color 29.9130, 0.3567, 0.3379.

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

29.9130, 0.3567, 0.3379

Protanopia

29.9139, 0.3278, 0.3431

Deuteranopia

30.1308, 0.3491, 0.3426



Tritanopia

30.0144, 0.3431, 0.3133

Trichromacy



Original Color

29.9130, 0.3567, 0.3379

Protanomaly

29.7672, 0.3380, 0.3398

Deuteranomaly

30.0521, 0.3516, 0.3410

Tritanomaly

30.0306, 0.3472, 0.3219

Monochromacy



Original Color

29.9130, 0.3567, 0.3379

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2827, 0.3273, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9130, 0.3567, 0.3379 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(175, 141, 135)` looks like.

```
.text, #text, p{  
    color:rgb(175, 141, 135)  
}
```

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(175, 141, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 141, 135) }
```

Border

The CSS property to change the border of an element to Yxy 29.9130, 0.3567, 0.3379 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(175, 141, 135) }
```

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

```
.border{ border-color:rgb(175, 141, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 141, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 141, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 141, 135);  
box-shadow:4px 4px 4px 4px rgb(175, 141,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9130, 0.3567, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 141, 135) }
```

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

```
.background{ background-color: rgb(175,  
141, 135) }
```

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