

# Converting Colors

$Y_{xy}(27.9921, 0.3583, 0.3738)$

Have a look what the booklet for  
Yxy(27.9921, 0.3583, 0.3738)  
contains.

<b>Yxy(28.0508, 0.3572, 0.3735)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(28.0508, 0.3572, 0.3735)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D8F73
RGB	157, 143, 115
RGB Percent	62%, 56%, 45%
CMY	0.3842, 0.4392, 0.5489
CMYK	0.00, 0.09, 0.27, 0.38
HSL	40°, 18%, 53%
HSV	40°, 27%, 62%
XYZ	26.8266, 28.0508, 20.2251
YIQ	143.9940, 17.3320, -5.7400

# Conversions

## Conversions Part 2

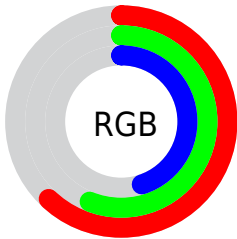
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 157, 115
Decimal	10325875
CIE <sub>Lab</sub>	59.93, 0.67, 16.81
CIE <sub>LCh</sub>	60, 16.821, 87.702
Yxy	28.0508, 0.3572, 0.3735
Android (android.graphics.Color)	4288515955 (0xFF9D8F73)
YUV	143.9940, -14.2940, 11.4063
Hunter-Lab	52.9630, -2.2721, 14.4329

# Details

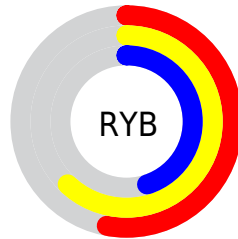
The Yxy color **28.0508, 0.3572, 0.3735** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.7964, 0.2701, 0.2801**, and the grayscale version is **27.9431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7196, 0.3479, 0.3648**, and **11.2372, 0.3720, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **26.1822, 0.3765, 0.3907**, and if you desaturate by 10%, it is **30.0572, 0.3393, 0.3564**.

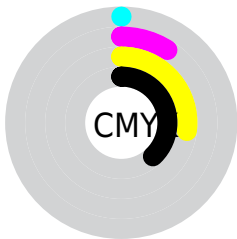
# Distribution



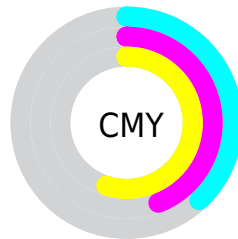
- Red (62%)
- Green (56%)
- Blue (45%)



- Red (53%)
- Yellow (62%)
- Blue (45%)



- Cyan (0%)
- Magenta (9%)
- Yellow (27%)
- Black (38%)




- Cyan (38%)
- Magenta (44%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0508, 0.3572, 0.3735 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 28.0508, 0.3572, 0.3735 by changing the saturation by 10% instead.





 28.0508, 0.3572,  
0.3735


 28.0508, 0.3572,  
0.3735


292.7096, 0.3331,  
0.3495


 18.3640, 0.3638,  
0.3801


 56.5655, 0.3480,  
0.3643


 11.2116, 0.3727,  
0.3889


 76.1622, 0.3447,  
0.3610

 6.2093, 0.3852,  
0.4012

 99.8310, 0.3419,  
0.3583

 2.9728, 0.4039,  
0.4194

 127.9562, 0.3396,  
0.3560

 1.1175, 0.4868,  
0.5030

160.9223, 0.3376,  
0.3540

 0.0000, 1.0000,  
0.0000

199.1136, 0.3359,

 0.0000, 0.0000,

0.3523

0.0000

242.9146, 0.3344,  
0.3508

■ 28.0508, 0.3572,  
0.3735

■ 28.0508, 0.3572,  
0.3735

■ 26.1822, 0.3765,  
0.3907

■ 30.0572, 0.3393,  
0.3564

■ 24.4434, 0.3967,  
0.4072

■ 32.2016, 0.3229,  
0.3398

■ 22.8315, 0.4174,  
0.4222

■ 34.4887, 0.3081,  
0.3240

■ 21.3415, 0.4378,  
0.4347

■ 36.9222, 0.2948,  
0.3092

■ 19.9682, 0.4569,  
0.4436

■ 39.5053, 0.2829,  
0.2954

■ 18.7056, 0.4738,  
0.4480

■ 42.2413, 0.2723,  
0.2827

■ 17.5453, 0.4879,  
0.4477

■ 45.1333, 0.2628,  
0.2711

■ 17.1855, 0.4923,  
0.4473

■ 48.1843, 0.2544,  
0.2604

■ 51.3102, 0.2477,  
0.2520

# Harmonies

## Analogous

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



28.0508, 0.3679, 0.3569



28.0508, 0.3572, 0.3735



28.0508, 0.3346, 0.3785

# Triad

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



28.0508, 0.3572, 0.3735



28.0508, 0.2647, 0.3203



28.0508, 0.3168, 0.2934

# Complementary

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



28.0508, 0.3572, 0.3735



21.7964, 0.2701, 0.2801

# 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.



28.0508, 0.2895, 0.2837



28.0508, 0.3572, 0.3735



28.0508, 0.2604, 0.2978

# Square

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



28.0508, 0.3572, 0.3735



28.0508, 0.2814, 0.3468



28.0508, 0.2692, 0.2850



28.0508, 0.3441, 0.3115



# Rectangle

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



28.0508, 0.3572, 0.3735



28.0508, 0.3162, 0.3737



28.0508, 0.2692, 0.2850



28.0508, 0.3073, 0.2891

# Sweetspot

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



28.0521, 0.3572, 0.3735



57.0932, 0.3251, 0.3421



21.0409, 0.3491, 0.3053



12.4406, 0.3274, 0.3444



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290



# Same Dimension

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



28.0521, 0.3572, 0.3735



48.2265, 0.3683, 0.3836



31.9155, 0.3453, 0.3955



7.3466, 0.3268, 0.3439



14.0221, 0.4916, 0.4478



0.3253, 0.4568, 0.4755



# Inverse Universe

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



21.7964, 0.2701, 0.2801



35.1507, 0.2599, 0.2675



18.7890, 0.2745, 0.2559



6.7794, 0.2988, 0.3137



4.0676, 0.1644, 0.1116



0.1463, 0.1859, 0.1890



# Previews

## White Background



This preview shows how the Yxy color 28.0508, 0.3572, 0.3735 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 28.0508, 0.3572, 0.3735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

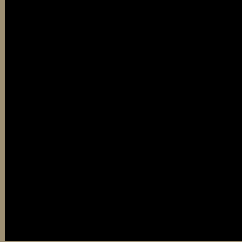
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.0508, 0.3572, 0.3735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.0508, 0.3572, 0.3735.



This preview shows how white text looks on a background with the Yxy color 28.0508, 0.3572, 0.3735.

# 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

28.0508, 0.3572, 0.3735

### Protanopia

27.9798, 0.3512, 0.3742

### Deuteranopia

28.0510, 0.3705, 0.3642



## Tritanopia

27.9240, 0.3267, 0.3123

# Trichromacy



## Original Color

28.0508, 0.3572, 0.3735

## Protanomaly

28.0775, 0.3523, 0.3740

## Deuteranomaly

27.9096, 0.3654, 0.3663

## Tritanomaly

28.0359, 0.3379, 0.3337

# Monochromacy



## Original Color

28.0508, 0.3572, 0.3735

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

28.0295, 0.3291, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.0508, 0.3572, 0.3735 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(157, 143, 115)` looks like.

```
.text, #text, p{  
    color:rgb(157, 143, 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(157, 143, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 143, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 28.0508, 0.3572, 0.3735 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(157, 143, 115) }
```

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

```
.border{ border-color:rgb(157, 143, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 143, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 143, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 143, 115);  
box-shadow:4px 4px 4px 4px rgb(157, 143,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.0508, 0.3572, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 143, 115) }
```

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

```
.background{ background-color: rgb(157,  
143, 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