

Converting Colors

$Y_{xy}(27.7483, 0.3689, 0.3541)$

Have a look what the booklet for
Yxy(27.7483, 0.3689, 0.3541)
contains.

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Color

Yxy(27.7934, 0.3692, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	AA8978
RGB	170, 137, 120
RGB Percent	67%, 54%, 47%
CMY	0.3333, 0.4627, 0.5294
CMYK	0.00, 0.19, 0.29, 0.33
HSL	20°, 23%, 57%
HSV	20°, 29%, 67%
XYZ	28.9133, 27.7934, 21.6066
YIQ	144.9290, 25.1250, 1.7090

Conversions

Conversions Part 2

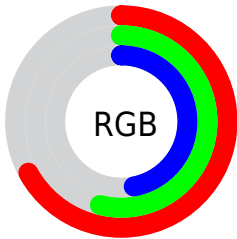
Format	Color
R_{YB}	170, 146, 120
Decimal	11176312
CIE _{Lab}	59.70, 9.97, 13.86
CIE _{LCh}	60, 17.078, 54.277
Yxy	27.7934, 0.3692, 0.3549
Android (android.graphics.Color)	4289366392 (0xFFAA8978)
YUV	144.9290, -12.2900, 21.9873
Hunter-Lab	52.7194, 5.6369, 12.6041

Details

The Yxy color $27.7934, 0.3692, 0.3549$ is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be $29.6737, 0.2681, 0.3015$, and the grayscale version is $28.3286, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9742, 0.3576, 0.3498$, and $11.0532, 0.3908, 0.3636$ is the 20% darker color. If you saturate the color by 10%, you get $24.3928, 0.3949, 0.3641$, and if you desaturate by 10%, it is $31.6015, 0.3470, 0.3457$.

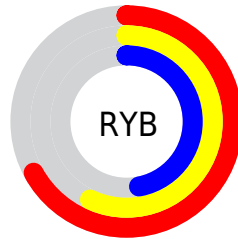
Distribution



Red (67%)

Green (54%)

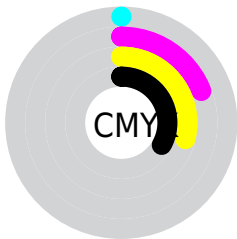
Blue (47%)



Red (67%)

Yellow (57%)

Blue (47%)

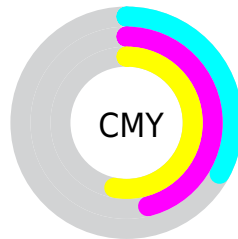


Cyan (0%)

Magenta (19%)

Yellow (29%)

Black (33%)



Cyan (33%)


Magenta (46%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7934, 0.3692, 0.3549 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 27.7934, 0.3692, 0.3549 by changing the saturation by 10% instead.


 27.7934, 0.3692,
0.3549

 27.7934, 0.3692,
0.3549


291.4784, 0.3383,
0.3414


 18.1700, 0.3779,
0.3584


 56.1544, 0.3573,
0.3499

 11.0721, 0.3897,
0.3629


 75.6608, 0.3530,
0.3481

 6.1153, 0.4065,
0.3688

 99.2303, 0.3495,
0.3465

 2.9153, 0.4324,
0.3768

127.2473, 0.3466,
0.3452

 1.0877, 0.5097,
0.4141

160.0963, 0.3440,
0.3441

 0.0000, 1.0000,
0.0000

198.1615, 0.3419,

 0.0000, 0.0000,

0.3431

0.0000

241.8274, 0.3400,
0.3422

■ 27.7934, 0.3692,
0.3549

■ 27.7934, 0.3692,
0.3549

■ 24.3928, 0.3949,
0.3641

■ 31.6015, 0.3470,
0.3457

■ 21.3817, 0.4243,
0.3727

■ 35.8264, 0.3280,
0.3369

■ 18.7468, 0.4567,
0.3799


■ 40.4820, 0.3118,
0.3285


■ 16.4721, 0.4912,
0.3846


■ 45.5803, 0.2981,
0.3208

■ 14.5405, 0.5255,
0.3856


■ 51.1330, 0.2865,
0.3137

 12.9332, 0.5569,
0.3819

 57.1512, 0.2765,
0.3073

 11.6238, 0.5834,
0.3742

 63.6455, 0.2680,
0.3014

 11.5557, 0.5849,
0.3738

 70.5623, 0.2611,
0.2970

 76.8903, 0.2628,
0.3099

Harmonies

Analogous

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



27.7934, 0.3625, 0.3316



27.7934, 0.3692, 0.3549



27.7934, 0.3600, 0.3729

Triad

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



27.7934, 0.3692, 0.3549



27.7934, 0.2834, 0.3501



27.7934, 0.2862, 0.2825

Complementary

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



27.7934, 0.3692, 0.3549



29.6737, 0.2681, 0.3015

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.



27.7934, 0.2668, 0.2851



27.7934, 0.3692, 0.3549



27.7934, 0.2652, 0.3231

Square

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



27.7934, 0.3692, 0.3549



27.7934, 0.3099, 0.3714



27.7934, 0.2593, 0.2994



27.7934, 0.3135, 0.2911

Rectangle

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



27.7934, 0.3692, 0.3549



27.7934, 0.3464, 0.3789



27.7934, 0.2593, 0.2994



27.7934, 0.2786, 0.2820

Sweetspot

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



27.7947, 0.3692, 0.3549



65.2067, 0.3275, 0.3366



24.2879, 0.3349, 0.2798



14.2873, 0.3301, 0.3379



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.



27.7947, 0.3692, 0.3549



46.5072, 0.3848, 0.3606



35.6259, 0.3593, 0.3899



7.9440, 0.3278, 0.3367



8.5947, 0.5829, 0.3753



0.3036, 0.5206, 0.4248

Inverse Universe

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



29.6737, 0.2681, 0.3015



50.4389, 0.2589, 0.2947



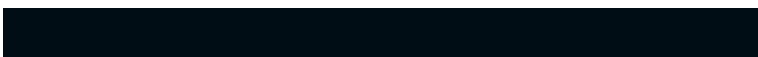
22.4182, 0.2636, 0.2597



8.0958, 0.2987, 0.3211



10.7930, 0.1933, 0.2158



0.3517, 0.2049, 0.2576

Previews

White Background



This preview shows how the Yxy color 27.7934, 0.3692, 0.3549 looks on a white background.

Color Contrast Check

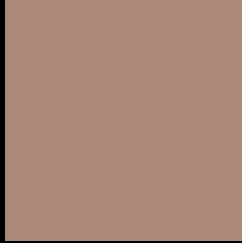
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7934, 0.3692, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

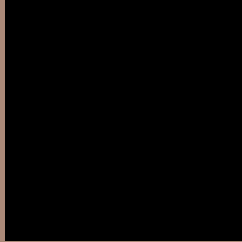
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7934, 0.3692, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 27.7934, 0.3692, 0.3549.



This preview shows how white text looks on a background with the Yxy color 27.7934, 0.3692, 0.3549.

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

27.7934, 0.3692, 0.3549

Protanopia

27.9559, 0.3416, 0.3630

Deuteranopia

27.6400, 0.3641, 0.3568



Tritanopia

27.9480, 0.3464, 0.3144

Trichromacy



Original Color

27.7934, 0.3692, 0.3549

Protanomaly

27.7240, 0.3516, 0.3591

Deuteranomaly

27.7485, 0.3653, 0.3567

Tritanomaly

27.8479, 0.3552, 0.3291

Monochromacy



Original Color

27.7934, 0.3692, 0.3549

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.9936, 0.3319, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7934, 0.3692, 0.3549 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, 137, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 120)  
}
```

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, 137, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.7934, 0.3692, 0.3549 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, 137, 120) }
```

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

```
.border{ border-color:rgb(170, 137, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7934, 0.3692, 0.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 120) }
```

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

```
.background{ background-color: rgb(170,  
137, 120) }
```

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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