

Converting Colors

$Y_{xy}(27.3243, 0.3552, 0.4342)$

Have a look what the booklet for
Yxy(27.3243, 0.3552, 0.4342)
contains.

Yxy(27.2678, 0.3550, 0.4333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2678, 0.3550, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	869558
RGB	134, 149, 88
RGB Percent	53%, 58%, 35%
CMY	0.4745, 0.4157, 0.6548
CMYK	0.10, 0.00, 0.41, 0.42
HSL	75°, 26%, 46%
HSV	75°, 41%, 58%
XYZ	22.3403, 27.2678, 13.3224
YIQ	137.5610, 10.6410, -22.1510

Conversions

Conversions Part 2

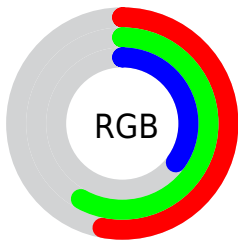
Format	Color
R_{YB}	88, 149, 103
Decimal	8820056
CIE _{Lab}	59.22, -15.66, 30.40
CIE _{LCh}	59, 34.199, 117.253
Yxy	27.2678, 0.3550, 0.4333
Android (android.graphics.Color)	4287010136 (0xFF869558)
YUV	137.5610, -24.4336, -3.1230
Hunter-Lab	52.2186, -15.0160, 21.4265

Details

The Yxy color $27.2678, 0.3550, 0.4333$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.0383, 0.2567, 0.2129$, and the grayscale version is $25.3323, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2673, 0.3472, 0.4104$, and $10.7345, 0.3656, 0.4708$ is the 20% darker color. If you saturate the color by 10%, you get $26.7506, 0.3636, 0.4586$, and if you desaturate by 10%, it is $27.8484, 0.3452, 0.4071$.

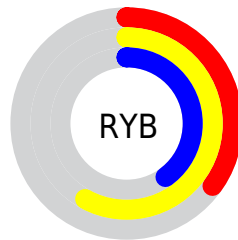
Distribution



Red (53%)

Green (58%)

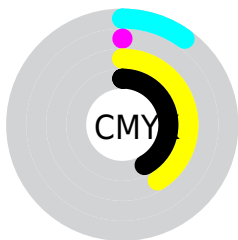
Blue (35%)



Red (35%)

Yellow (58%)

Blue (40%)

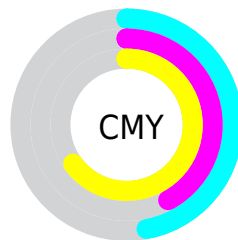


Cyan (10%)

Magenta (0%)

Yellow (41%)

Black (42%)



Cyan (47%)

Magenta (42%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2678, 0.3550, 0.4333 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 27.2678, 0.3550, 0.4333 by changing the saturation by 10% instead.

 27.2678, 0.3550,
0.4333


 27.2678, 0.3550,
0.4333


288.9514, 0.3336,
0.3752


 17.7745, 0.3600,
0.4498


 55.3133, 0.3474,
0.4107

 10.7882, 0.3658,
0.4721


 74.6342, 0.3444,
0.4027


 5.9246, 0.3722,
0.5034

 97.9998, 0.3419,
0.3961

 2.7993, 0.3909,
0.5701

 125.7945, 0.3398,
0.3905

 1.0279, 0.3639,
0.6361

 158.4026, 0.3379,
0.3858

 0.0000, 0.0000,
0.0000

196.2085, 0.3363,

0.3818

239.5966, 0.3349,
0.3783

■ 27.2678, 0.3550,
0.4333

■ 27.2678, 0.3550,
0.4333

■ 26.7506, 0.3636,
0.4586

■ 27.8484, 0.3452,
0.4071

■ 26.2899, 0.3707,
0.4819

■ 28.4916, 0.3349,
0.3809

■ 25.8834, 0.3756,
0.5023


■ 29.2015, 0.3242,
0.3554


■ 25.5270, 0.3783,
0.5187

■ 29.9804, 0.3137,
0.3312

■ 25.2162, 0.3784,
0.5307


■ 30.8310, 0.3035,
0.3085

 24.9626, 0.3771,
0.5388

 31.7553, 0.2937,
0.2876

 32.7556, 0.2846,
0.2684

 33.8341, 0.2761,
0.2510

 34.9925, 0.2682,
0.2353

Harmonies

Analogous

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



27.2678, 0.4020, 0.4166



27.2678, 0.3550, 0.4333



27.2678, 0.2990, 0.4157

Triad

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



27.2678, 0.3550, 0.4333



27.2678, 0.2107, 0.2644



27.2678, 0.3760, 0.2929

Complementary

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



27.2678, 0.3550, 0.4333



12.0383, 0.2567, 0.2129

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.



27.2678, 0.3185, 0.2597



27.2678, 0.3550, 0.4333



27.2678, 0.2266, 0.2420

Square

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



27.2678, 0.3550, 0.4333



27.2678, 0.2183, 0.3086



27.2678, 0.2643, 0.2414



27.2678, 0.4168, 0.3351

Rectangle

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



27.2678, 0.3550, 0.4333



27.2678, 0.2644, 0.3852



27.2678, 0.2643, 0.2414



27.2678, 0.3576, 0.2805

Sweetspot

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



27.2690, 0.3550, 0.4333



52.1185, 0.3256, 0.3587



16.6469, 0.4026, 0.3539



11.5172, 0.3268, 0.3616



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.



27.2690, 0.3550, 0.4333



47.9860, 0.3629, 0.4563



25.1612, 0.3228, 0.4450



6.6735, 0.3224, 0.3511



21.0225, 0.3774, 0.5385



0.2710, 0.3985, 0.5218

Inverse Universe

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



12.0383, 0.2567, 0.2129



16.9321, 0.2411, 0.1837



14.1185, 0.2951, 0.2246



5.6978, 0.3025, 0.3064



2.1646, 0.1660, 0.0688



0.0386, 0.2071, 0.0914

Previews

White Background



This preview shows how the Yxy color 27.2678, 0.3550, 0.4333 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 27.2678, 0.3550, 0.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

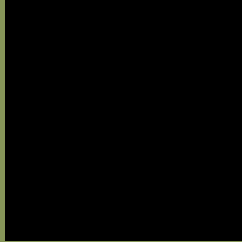
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2678, 0.3550, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 27.2678, 0.3550, 0.4333.



This preview shows how white text looks on a background with the Yxy color 27.2678, 0.3550, 0.4333.

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

27.2678, 0.3550, 0.4333

Protanopia

27.0858, 0.3864, 0.4176

Deuteranopia

27.1343, 0.4044, 0.3960



Tritanopia

27.1004, 0.3020, 0.3097

Trichromacy



Original Color

27.2678, 0.3550, 0.4333

Protanomaly

27.2348, 0.3742, 0.4236

Deuteranomaly

27.0570, 0.3855, 0.4095

Tritanomaly

27.0205, 0.3222, 0.3542

Monochromacy



Original Color

27.2678, 0.3550, 0.4333

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0204, 0.3295, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2678, 0.3550, 0.4333 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(134, 149, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 149, 88) }
```

Border

The CSS property to change the border of an element to Yxy 27.2678, 0.3550, 0.4333 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, 88) }
```

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

```
.border{ border-color:rgb(134, 149, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 149, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 149, 88);  
box-shadow:4px 4px 4px 4px rgb(134, 149,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2678, 0.3550, 0.4333 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, 88) }
```

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

```
.background{ background-color: rgb(134,  
149, 88) }
```

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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