

Converting Colors

$Y_{xy}(26.7998, 0.3330, 0.4423)$

Have a look what the booklet for
Yxy(26.7998, 0.3330, 0.4423)
contains.

Yxy(26.8907, 0.3333, 0.4430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8907, 0.3333, 0.4430)

Conversions

Conversions Part 1

Format	Color
Hex	749859
RGB	116, 152, 89
RGB Percent	45%, 60%, 35%
CMY	0.5452, 0.4039, 0.6509
CMYK	0.24, 0.00, 0.41, 0.40
HSL	94°, 26%, 47%
HSV	94°, 41%, 60%
XYZ	20.2318, 26.8907, 13.5789
YIQ	134.0540, -1.2330, -27.2250

Conversions

Conversions Part 2

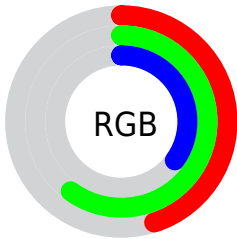
Format	Color
RYB	89, 152, 125
Decimal	7641177
CIELab	58.87, -24.19, 29.17
CIELCh	59, 37.893, 129.668
Yxy	26.8907, 0.3333, 0.4430
Android (android.graphics.Color)	4285831257 (0xFF749859)
YUV	134.0540, -22.2116, -15.8334
Hunter-Lab	51.8562, -21.1065, 20.7739

Details

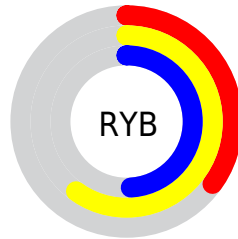
The Yxy color **26.8907, 0.3333, 0.4430** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.7790, 0.2814, 0.2190**, and the grayscale version is **23.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4711, 0.3303, 0.4168**, and **10.6328, 0.3356, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **26.0941, 0.3364, 0.4731**, and if you desaturate by 10%, it is **27.7982, 0.3291, 0.4130**.

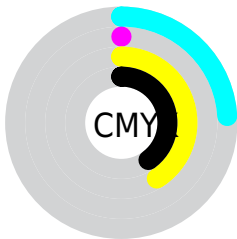
Distribution



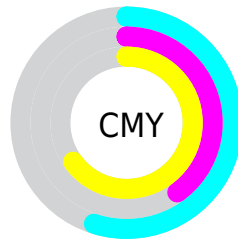
- Red (45%)
- Green (60%)
- Blue (35%)



- Red (35%)
- Yellow (60%)
- Blue (49%)



- Cyan (24%)
- Magenta (0%)
- Yellow (41%)
- Black (40%)




- Cyan (55%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8907, 0.3333, 0.4430 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 26.8907, 0.3333, 0.4430 by changing the saturation by 10% instead.


 26.8907, 0.3333,
0.4430


 26.8907, 0.3333,
0.4430


287.1275, 0.3241,
0.3783


 17.4912, 0.3348,
0.4620


 54.7084, 0.3304,
0.4174


 10.5853, 0.3358,
0.4883


 73.8954, 0.3292,
0.4085


 5.7887, 0.3351,
0.5264

 97.1136, 0.3281,
0.4011

 2.7170, 0.3407,
0.6067

 124.7475, 0.3271,
0.3950

 0.9859, 0.2582,
0.7418

 157.1815, 0.3262,
0.3899

 0.0000, 0.0000,
0.0000

194.7998, 0.3254,

0.3854

237.9871, 0.3247,
0.3816

■ 26.8907, 0.3333,
0.4430

■ 26.8907, 0.3333,
0.4430

■ 26.0941, 0.3364,
0.4731

■ 27.7982, 0.3291,
0.4130

■ 25.4001, 0.3382,
0.5020

■ 28.8175, 0.3242,
0.3842

■ 24.8045, 0.3381,
0.5282


■ 29.9539, 0.3189,
0.3572


■ 24.3017, 0.3362,
0.5501

■ 31.2115, 0.3135,
0.3324


■ 23.8850, 0.3324,
0.5667

■ 32.5939, 0.3081,
0.3098

 23.5846, 0.3284,
0.5774

 34.1047, 0.3029,
0.2896

 35.7473, 0.2979,
0.2715

 37.5251, 0.2931,
0.2553

 39.4412, 0.2887,
0.2410

Harmonies

Analogous

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



26.8907, 0.3916, 0.4374



26.8907, 0.3333, 0.4430



26.8907, 0.2725, 0.4068

Triad

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



26.8907, 0.3333, 0.4430



26.8907, 0.2047, 0.2441



26.8907, 0.4055, 0.3071

Complementary

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



26.8907, 0.3333, 0.4430



13.7790, 0.2814, 0.2190

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.



26.8907, 0.3461, 0.2661



26.8907, 0.3333, 0.4430



26.8907, 0.2321, 0.2303

Square

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



26.8907, 0.3333, 0.4430



26.8907, 0.2022, 0.2826



26.8907, 0.2820, 0.2388



26.8907, 0.4375, 0.3551

Rectangle

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



26.8907, 0.3333, 0.4430



26.8907, 0.2388, 0.3654



26.8907, 0.2820, 0.2388



26.8907, 0.3877, 0.2924

Sweetspot

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



26.8919, 0.3333, 0.4430



52.6983, 0.3194, 0.3593



21.9923, 0.3897, 0.3887



11.9224, 0.3200, 0.3624



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



26.8919, 0.3333, 0.4430



46.1148, 0.3363, 0.4717



25.3780, 0.3036, 0.4444



7.0483, 0.3177, 0.3516



19.7905, 0.3289, 0.5771



0.3167, 0.3630, 0.5500

Inverse Universe

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



13.7790, 0.2814, 0.2190



19.6728, 0.2718, 0.1925



15.9560, 0.3229, 0.2358



6.1919, 0.3073, 0.3066



3.6164, 0.2191, 0.0981



0.0755, 0.2635, 0.1225

Previews

White Background



This preview shows how the Yxy color 26.8907, 0.3333, 0.4430 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 26.8907, 0.3333, 0.4430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

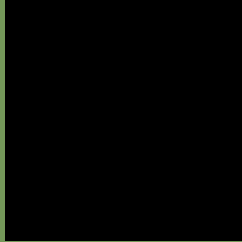
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8907, 0.3333, 0.4430

Background



This preview shows how black text looks on a background with the Yxy color 26.8907, 0.3333, 0.4430.



This preview shows how white text looks on a background with the Yxy color 26.8907, 0.3333, 0.4430.

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

26.8907, 0.3333, 0.4430

Protanopia

26.5757, 0.3857, 0.4185

Deuteranopia

26.6643, 0.4006, 0.3924



Tritanopia

26.7824, 0.2835, 0.3090

Trichromacy



Original Color

26.8907, 0.3333, 0.4430

Protanomaly

26.4981, 0.3658, 0.4285

Deuteranomaly

26.3065, 0.3739, 0.4093

Tritanomaly

26.6710, 0.3013, 0.3552

Monochromacy



Original Color

26.8907, 0.3333, 0.4430

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.8698, 0.3205, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8907, 0.3333, 0.4430 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(116, 152, 89)` looks like.

```
.text, #text, p{  
    color:rgb(116, 152, 89)  
}
```

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(116, 152, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 152, 89) }
```

Border

The CSS property to change the border of an element to Yxy 26.8907, 0.3333, 0.4430 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(116, 152, 89) }
```

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

```
.border{ border-color:rgb(116, 152, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 152, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 152, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 152, 89);  
box-shadow:4px 4px 4px 4px rgb(116, 152,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8907, 0.3333, 0.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 152, 89) }
```

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

```
.background{ background-color: rgb(116,  
152, 89) }
```

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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