

Converting Colors

$Y_{xy}(27.6133, 0.3231, 0.4186)$

Have a look what the booklet for
Yxy(27.6133, 0.3231, 0.4186)
contains.

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Color

Yxy(27.6133, 0.3231, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	769967
RGB	118, 153, 103
RGB Percent	46%, 60%, 40%
CMY	0.5371, 0.4000, 0.5961
CMYK	0.23, 0.00, 0.33, 0.40
HSL	102°, 20%, 50%
HSV	102°, 33%, 60%
XYZ	21.3136, 27.6133, 17.0390
YIQ	136.8350, -4.8100, -22.9700

Conversions

Conversions Part 2

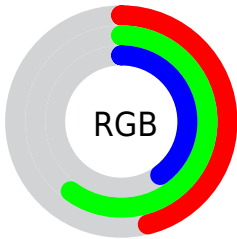
Format	Color
RYB	103, 153, 138
Decimal	7772519
CIELab	59.54, -21.83, 22.46
CIELCh	60, 31.318, 134.178
Yxy	27.6133, 0.3231, 0.4186
Android (android.graphics.Color)	4285962599 (0xFF769967)
YUV	136.8350, -16.6807, -16.5183
Hunter-Lab	52.5484, -19.5602, 17.5589

Details

The Yxy color $27.6133, 0.3231, 0.4186$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.4018, 0.2974, 0.2456$, and the grayscale version is $25.0188, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.6167, 0.3222, 0.3987$, and $11.0075, 0.3239, 0.4556$ is the 20% darker color. If you saturate the color by 10%, you get $26.6274, 0.3252, 0.4501$, and if you desaturate by 10%, it is $28.7428, 0.3203, 0.3886$.

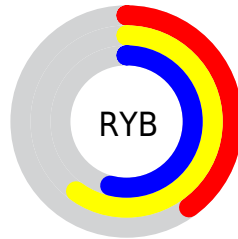
Distribution



Red (46%)

Green (60%)

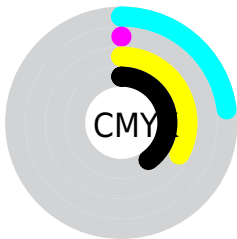
Blue (40%)



Red (40%)

Yellow (60%)

Blue (54%)

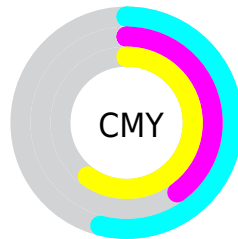


Cyan (23%)

Magenta (0%)

Yellow (33%)

Black (40%)



Cyan (54%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6133, 0.3231, 0.4186 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 27.6133, 0.3231, 0.4186 by changing the saturation by 10% instead.

 27.6133, 0.3231,
0.4186


 27.6133, 0.3231,
0.4186


290.6145, 0.3187,
0.3680


 18.0344, 0.3237,
0.4335


 55.8665, 0.3218,
0.3986

 10.9747, 0.3240,
0.4542


 75.3095, 0.3212,
0.3916

 6.0498, 0.3234,
0.4846

 98.8093, 0.3206,
0.3859

 2.8754, 0.3201,
0.5341

 126.7503, 0.3202,
0.3811

 1.0670, 0.3061,
0.6939

159.5170, 0.3197,
0.3771

 0.0000, 0.0000,
0.0000

197.4936, 0.3193,

0.3736

241.0647, 0.3190,
0.3706

■ 27.6133, 0.3231,
0.4186

■ 27.6133, 0.3231,
0.4186

■ 26.6274, 0.3252,
0.4501

■ 28.7428, 0.3203,
0.3886

■ 25.7756, 0.3265,
0.4818

■ 30.0179, 0.3171,
0.3607

■ 25.0529, 0.3265,
0.5124


■ 31.4451, 0.3136,
0.3354

■ 24.4522, 0.3251,
0.5399


■ 33.0291, 0.3102,
0.3126

■ 23.9660, 0.3223,
0.5625

■ 34.7748, 0.3067,
0.2923


 23.5855, 0.3182,
0.5789

 36.6868, 0.3034,
0.2744

 23.3620, 0.3151,
0.5880

 38.7692, 0.3002,
0.2586

 41.0263, 0.2972,
0.2447

 43.4622, 0.2944,
0.2324

Harmonies

Analogous

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



27.6133, 0.3724, 0.4209



27.6133, 0.3231, 0.4186



27.6133, 0.2733, 0.3848

Triad

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



27.6133, 0.3231, 0.4186



27.6133, 0.2244, 0.2557



27.6133, 0.3943, 0.3175

Complementary

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



27.6133, 0.3231, 0.4186



17.4018, 0.2974, 0.2456

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.



27.6133, 0.3485, 0.2811



27.6133, 0.3231, 0.4186



27.6133, 0.2510, 0.2462

Square

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



27.6133, 0.3231, 0.4186



27.6133, 0.2191, 0.2857



27.6133, 0.2954, 0.2558



27.6133, 0.4163, 0.3585

Rectangle

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



27.6133, 0.3231, 0.4186



27.6133, 0.2465, 0.3510



27.6133, 0.2954, 0.2558



27.6133, 0.3810, 0.3045

Sweetspot

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



27.6145, 0.3231, 0.4186



54.3687, 0.3162, 0.3542



25.6899, 0.3679, 0.3849



11.9351, 0.3167, 0.3576



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.



27.6145, 0.3231, 0.4186



48.1767, 0.3247, 0.4408



26.8390, 0.3006, 0.4050



7.0111, 0.3159, 0.3517



19.3248, 0.3155, 0.5877



0.3062, 0.3468, 0.5628

Inverse Universe

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



17.4018, 0.2974, 0.2456



27.0557, 0.2930, 0.2266



18.4817, 0.3279, 0.2634



6.2304, 0.3092, 0.3067



4.5030, 0.2477, 0.1138



0.0860, 0.2819, 0.1327

Previews

White Background



This preview shows how the Yxy color 27.6133, 0.3231, 0.4186 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 27.6133, 0.3231, 0.4186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

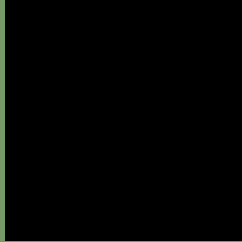
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6133, 0.3231, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 27.6133, 0.3231, 0.4186.



This preview shows how white text looks on a background with the Yxy color 27.6133, 0.3231, 0.4186.

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

27.6133, 0.3231, 0.4186

Protanopia

27.5143, 0.3716, 0.3995

Deuteranopia

27.3669, 0.3838, 0.3763



Tritanopia

27.5384, 0.2829, 0.3092

Trichromacy



Original Color

27.6133, 0.3231, 0.4186

Protanomaly

27.5383, 0.3537, 0.4077

Deuteranomaly

27.1489, 0.3596, 0.3913

Tritanomaly

27.6150, 0.2979, 0.3478

Monochromacy



Original Color

27.6133, 0.3231, 0.4186

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8714, 0.3166, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6133, 0.3231, 0.4186 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(118, 153, 103)` looks like.

```
.text, #text, p{  
    color:rgb(118, 153, 103)  
}
```

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(118, 153, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 153, 103) }
```

Border

The CSS property to change the border of an element to Yxy 27.6133, 0.3231, 0.4186 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(118, 153, 103) }
```

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

```
.border{ border-color:rgb(118, 153, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 153, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 153, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 153, 103);  
box-shadow:4px 4px 4px 4px rgb(118, 153,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6133, 0.3231, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 153, 103) }
```

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

```
.background{ background-color: rgb(118,  
153, 103) }
```

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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