

Converting Colors

$Y_{xy}(27.6246, 0.3907, 0.3697)$

Have a look what the booklet for
Yxy(27.6246, 0.3907, 0.3697)
contains.

Yxy(27.6408, 0.3909, 0.3691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6408, 0.3909, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	B0876C
RGB	176, 135, 108
RGB Percent	69%, 53%, 42%
CMY	0.3098, 0.4706, 0.5766
CMYK	0.00, 0.23, 0.39, 0.31
HSL	24°, 30%, 56%
HSV	24°, 39%, 69%
XYZ	29.2733, 27.6408, 17.9729
YIQ	144.1810, 33.1030, 0.2950

Conversions

Conversions Part 2

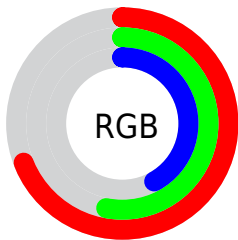
Format	Color
R_{YB}	176, 153, 108
Decimal	11569004
CIE _{Lab}	59.56, 11.96, 20.57
CIE _{LCh}	60, 23.794, 59.826
Yxy	27.6408, 0.3909, 0.3691
Android (android.graphics.Color)	4289759084 (0xFFB0876C)
YUV	144.1810, -17.8372, 27.9053
Hunter-Lab	52.5745, 7.3829, 16.5336

Details

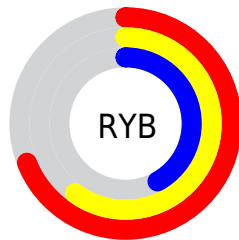
The Yxy color $27.6408, 0.3909, 0.3691$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $27.8042, 0.2534, 0.2846$, and the grayscale version is $28.0299, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.8281, 0.3744, 0.3608$, and $10.9608, 0.4197, 0.3805$ is the 20% darker color. If you saturate the color by 10%, you get $24.4908, 0.4185, 0.3793$, and if you desaturate by 10%, it is $31.1638, 0.3664, 0.3584$.

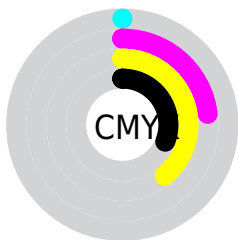
Distribution



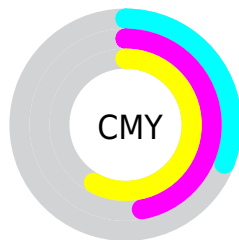
- Red (69%)
- Green (53%)
- Blue (42%)



- Red (69%)
- Yellow (60%)
- Blue (42%)



- Cyan (0%)
- Magenta (23%)
- Yellow (39%)
- Black (31%)





- Cyan (31%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6408, 0.3909, 0.3691 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 27.6408, 0.3909, 0.3691 by changing the saturation by 10% instead.


 27.6408, 0.3909,
0.3691


 27.6408, 0.3909,
0.3691


290.7465, 0.3482,
0.3485


 18.0551, 0.4028,
0.3742


 55.9104, 0.3745,
0.3616

 10.9895, 0.4187,
0.3806


 75.3632, 0.3686,
0.3588

 6.0598, 0.4411,
0.3887

 98.8736, 0.3637,
0.3564

 2.8815, 0.4744,
0.3984

 126.8263, 0.3596,
0.3544

 1.0702, 0.5642,
0.4358

159.6055, 0.3562,
0.3526

 0.0000, 1.0000,
0.0000

197.5957, 0.3531,

 0.0000, 0.0000,

0.3511

0.0000

241.1812, 0.3505,
0.3497

■ 27.6408, 0.3909,
0.3691

■ 27.6408, 0.3909,
0.3691

■ 24.4908, 0.4185,
0.3793

■ 31.1638, 0.3664,
0.3584

■ 21.6969, 0.4487,
0.3880

■ 35.0684, 0.3450,
0.3477

■ 19.2461, 0.4806,
0.3942


■ 39.3677, 0.3266,
0.3374

■ 17.1234, 0.5123,
0.3965

■ 44.0729, 0.3107,
0.3277

■ 15.3121, 0.5415,
0.3940


■ 49.1947, 0.2971,
0.3187

 13.7895, 0.5665,
0.3868

 54.7436, 0.2854,
0.3105

 13.6029, 0.5698,
0.3858

 60.7295, 0.2754,
0.3029

 67.1619, 0.2667,
0.2960

 73.2961, 0.2649,
0.3016

Harmonies

Analogous

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



27.6408, 0.3860, 0.3377



27.6408, 0.3909, 0.3691



27.6408, 0.3736, 0.3928

Triad

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



27.6408, 0.3909, 0.3691



27.6408, 0.2662, 0.3516



27.6408, 0.2821, 0.2666

Complementary

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



27.6408, 0.3909, 0.3691



27.8042, 0.2534, 0.2846

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.



27.6408, 0.2532, 0.2666



27.6408, 0.3909, 0.3691



27.6408, 0.2445, 0.3131

Square

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



27.6408, 0.3909, 0.3691



27.6408, 0.3009, 0.3850



27.6408, 0.2400, 0.2825



27.6408, 0.3209, 0.2810

Rectangle

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



27.6408, 0.3909, 0.3691



27.6408, 0.3526, 0.4000



27.6408, 0.2400, 0.2825



27.6408, 0.2710, 0.2649

Sweetspot

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



27.6421, 0.3909, 0.3691



68.5435, 0.3328, 0.3410



22.1492, 0.3487, 0.2685



14.6401, 0.3351, 0.3423



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.6421, 0.3909, 0.3691



45.4249, 0.4132, 0.3775



38.3389, 0.3734, 0.4135



9.0410, 0.3277, 0.3381



10.0891, 0.5679, 0.3873



0.4331, 0.5169, 0.4278

Inverse Universe

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



27.8042, 0.2534, 0.2846



45.7368, 0.2414, 0.2733



18.7916, 0.2450, 0.2273



9.0534, 0.2986, 0.3197



9.9879, 0.1876, 0.1953



0.4244, 0.1991, 0.2368

Previews

White Background



This preview shows how the Yxy color 27.6408, 0.3909, 0.3691 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 27.6408, 0.3909, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

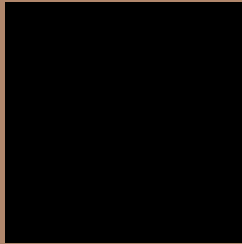
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6408, 0.3909, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 27.6408, 0.3909, 0.3691.



This preview shows how white text looks on a background with the Yxy color 27.6408, 0.3909, 0.3691.

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

27.6408, 0.3909, 0.3691

Protanopia

27.5871, 0.3557, 0.3791

Deuteranopia

27.6735, 0.3821, 0.3763



Tritanopia

27.7394, 0.3575, 0.3147

Trichromacy



Original Color

27.6408, 0.3909, 0.3691

Protanomaly

27.4809, 0.3674, 0.3747

Deuteranomaly

27.7235, 0.3862, 0.3742

Tritanomaly

27.5525, 0.3701, 0.3336

Monochromacy



Original Color

27.6408, 0.3909, 0.3691

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7564, 0.3396, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6408, 0.3909, 0.3691 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(176, 135, 108)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 108)  
}
```

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(176, 135, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 108) }
```

Border

The CSS property to change the border of an element to Yxy 27.6408, 0.3909, 0.3691 is called "border". The border property can be set on classes, ids or directly on the HTML element.

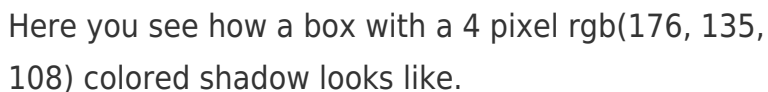
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 135, 108) }
```

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

```
.border{ border-color:rgb(176, 135, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 135, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 135, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 135, 108); box-shadow:4px 4px 4px 4px rgb(176, 135, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6408, 0.3909, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 108) }
```

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

```
.background{ background-color: rgb(176,  
135, 108) }
```

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