

Converting Colors

$Y_{xy}(19.9027, 0.3539, 0.4441)$

Have a look what the booklet for
Yxy(19.9027, 0.3539, 0.4441)
contains.

Yxy(19.8779, 0.3531, 0.4433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8779, 0.3531, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	708248
RGB	112, 130, 72
RGB Percent	44%, 51%, 28%
CMY	0.5608, 0.4902, 0.7177
CMYK	0.14, 0.00, 0.45, 0.49
HSL	79°, 29%, 40%
HSV	79°, 45%, 51%
XYZ	15.8333, 19.8779, 9.1296
YIQ	118.0060, 7.8900, -21.8540

Conversions

Conversions Part 2

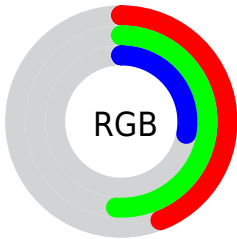
Format	Color
R_{YB}	72, 130, 90
Decimal	7373384
CIE _{Lab}	51.70, -16.69, 29.18
CIE _{LCh}	52, 33.620, 119.765
Yxy	19.8779, 0.3531, 0.4433
Android (android.graphics.Color)	4285563464 (0xFF708248)
YUV	118.0060, -22.6810, -5.2673
Hunter-Lab	44.5846, -14.6327, 19.0685

Details

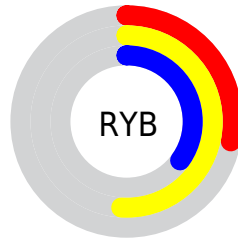
The Yxy color **19.8779, 0.3531, 0.4433** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.4174, 0.2565, 0.2045**, and the grayscale version is **18.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2714, 0.3455, 0.4157**, and **7.0162, 0.3633, 0.4922** is the 20% darker color. If you saturate the color by 10%, you get **19.4679, 0.3601, 0.4688**, and if you desaturate by 10%, it is **20.3374, 0.3449, 0.4168**.

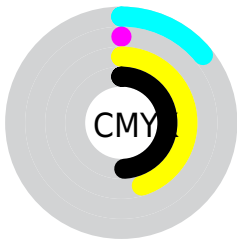
Distribution



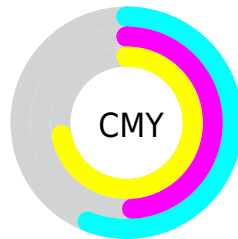
- Red (44%)
- Green (51%)
- Blue (28%)



- Red (28%)
- Yellow (51%)
- Blue (35%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (49%)



- Cyan (56%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8779, 0.3531, 0.4433 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 19.8779, 0.3531, 0.4433 by changing the saturation by 10% instead.


 19.8779, 0.3531,
0.4433

 19.8779, 0.3531,
0.4433


251.2534, 0.3321,
0.3764


 12.3063, 0.3579,
0.4639


 43.2124, 0.3455,
0.4163


 6.9527, 0.3633,
0.4927


 59.7441, 0.3426,
0.4070

 3.4325, 0.3703,
0.5393

 80.0313, 0.3402,
0.3994

 1.3615, 0.3769,
0.6231

 104.4583, 0.3381,
0.3932

 0.1881, 0.0000,
1.0000

 133.4097, 0.3362,
0.3880

 0.0000, 0.0000,
0.0000

167.2697, 0.3347,

0.3836

206.4228, 0.3333,
0.3797

■ 19.8779, 0.3531,
0.4433

■ 19.8779, 0.3531,
0.4433

■ 19.4679, 0.3601,
0.4688

■ 20.3374, 0.3449,
0.4168

■ 19.1023, 0.3654,
0.4923

■ 20.8460, 0.3359,
0.3903

■ 18.7794, 0.3686,
0.5127

■ 21.4067, 0.3265,
0.3644

■ 18.4960, 0.3695,
0.5290

■ 22.0214, 0.3170,
0.3399

■ 18.2479, 0.3681,
0.5410

■ 22.6919, 0.3078,
0.3169

■ 18.1230, 0.3670,
0.5468

■ 23.4200, 0.2989,
0.2957

■ 24.2072, 0.2904,
0.2762

■ 25.0553, 0.2825,
0.2586

■ 25.9656, 0.2751,
0.2427

Harmonies

Analogous

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



19.8779, 0.4059, 0.4265



19.8779, 0.3531, 0.4433



19.8779, 0.2923, 0.4212

Triad

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



19.8779, 0.3531, 0.4433



19.8779, 0.2029, 0.2554



19.8779, 0.3865, 0.2932

Complementary

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



19.8779, 0.3531, 0.4433



8.4174, 0.2565, 0.2045

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.



19.8779, 0.3241, 0.2565



19.8779, 0.3531, 0.4433



19.8779, 0.2220, 0.2339

Square

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



19.8779, 0.3531, 0.4433



19.8779, 0.2088, 0.3013



19.8779, 0.2643, 0.2353



19.8779, 0.4288, 0.3389

Rectangle

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



19.8779, 0.3531, 0.4433



19.8779, 0.2555, 0.3857



19.8779, 0.2643, 0.2353



19.8779, 0.3668, 0.2796

Sweetspot

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



19.8788, 0.3531, 0.4433



37.8346, 0.3252, 0.3611



12.4234, 0.4089, 0.3633



8.5191, 0.3270, 0.3659



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.8788, 0.3531, 0.4433



34.2410, 0.3604, 0.4703



18.3002, 0.3188, 0.4568



4.9546, 0.3212, 0.3506



17.3791, 0.3671, 0.5467



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.4174, 0.2565, 0.2045



11.2463, 0.2395, 0.1718



10.1237, 0.2993, 0.2185



4.2715, 0.3037, 0.3071



1.9881, 0.1743, 0.0734



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.8779, 0.3531, 0.4433 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 19.8779, 0.3531, 0.4433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

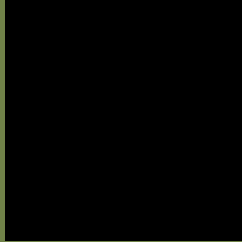
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8779, 0.3531, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 19.8779, 0.3531, 0.4433.



This preview shows how white text looks on a background with the Yxy color 19.8779, 0.3531, 0.4433.

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

19.8779, 0.3531, 0.4433

Protanopia

19.7465, 0.3913, 0.4258

Deuteranopia

19.6201, 0.4084, 0.4001



Tritanopia

19.8524, 0.2982, 0.3105

Trichromacy



Original Color

19.8779, 0.3531, 0.4433

Protanomaly

19.8759, 0.3772, 0.4329

Deuteranomaly

19.6477, 0.3879, 0.4154

Tritanomaly

19.8513, 0.3186, 0.3580

Monochromacy



Original Color

19.8779, 0.3531, 0.4433

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.5717, 0.3295, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8779, 0.3531, 0.4433 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(112, 130, 72)` looks like.

```
.text, #text, p{  
    color:rgb(112, 130, 72)  
}
```

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(112, 130, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 130, 72) }
```

Border

The CSS property to change the border of an element to Yxy 19.8779, 0.3531, 0.4433 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(112, 130, 72) }
```

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

```
.border{ border-color:rgb(112, 130, 72) }
```

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

Here you see how a box with a 4 pixel rgb(112, 130, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 130, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 130, 72);  
box-shadow:4px 4px 4px 4px rgb(112, 130,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8779, 0.3531, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 130, 72) }
```

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

```
.background{ background-color: rgb(112,  
130, 72) }
```

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