

Converting Colors

$Y_{xy}(21.1515, 0.3490, 0.4185)$

Have a look what the booklet for
Yxy(21.1515, 0.3490, 0.4185)
contains.

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Color

Yxy(21.1515, 0.3490, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	788455
RGB	120, 132, 85
RGB Percent	47%, 52%, 33%
CMY	0.5293, 0.4824, 0.6666
CMYK	0.09, 0.00, 0.36, 0.48
HSL	75°, 22%, 43%
HSV	75°, 36%, 52%
XYZ	17.6389, 21.1515, 11.7508
YIQ	123.0540, 7.9350, -17.1610

Conversions

Conversions Part 2

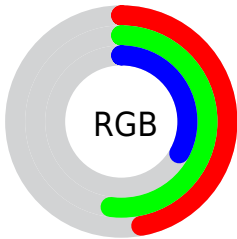
Format	Color
R_{YB}	85, 132, 97
Decimal	7898197
CIE _{Lab}	53.11, -12.71, 23.94
CIE _{LCh}	53, 27.107, 117.962
Yxy	21.1515, 0.3490, 0.4185
Android (android.graphics.Color)	4286088277 (0xFF788455)
YUV	123.0540, -18.7606, -2.6784
Hunter-Lab	45.9908, -12.0235, 17.0447

Details

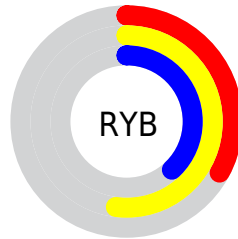
The Yxy color **21.1515, 0.3490, 0.4185** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.7072, 0.2666, 0.2313**, and the grayscale version is **19.8888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3314, 0.3420, 0.3980**, and **7.6726, 0.3603, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **20.7252, 0.3581, 0.4443**, and if you desaturate by 10%, it is **21.6273, 0.3391, 0.3924**.

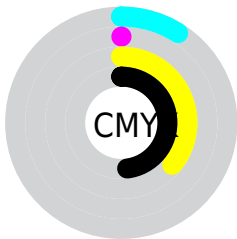
Distribution



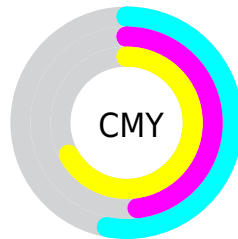
- Red (47%)
- Green (52%)
- Blue (33%)



- Red (33%)
- Yellow (52%)
- Blue (38%)



- Cyan (9%)
- Magenta (0%)
- Yellow (36%)
- Black (48%)





- Cyan (53%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1515, 0.3490, 0.4185 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 21.1515, 0.3490, 0.4185 by changing the saturation by 10% instead.


 21.1515, 0.3490,
0.4185


 21.1515, 0.3490,
0.4185


258.0825, 0.3296,
0.3668


 13.2348, 0.3540,
0.4342


 45.3395, 0.3417,
0.3977

 7.5904, 0.3602,
0.4564

 62.3797, 0.3391,
0.3906

 3.8340, 0.3677,
0.4894

 83.2297, 0.3368,
0.3847

 1.5811, 0.4083,
0.5917

 108.2740, 0.3349,
0.3799

 0.3448, 0.0482,
0.9518

 137.8971, 0.3333,
0.3758

 0.0000, 0.0000,
0.0000

172.4833, 0.3319,

0.3724

212.4170, 0.3307,
0.3694

■ 21.1515, 0.3490,
0.4185

■ 21.1515, 0.3490,
0.4185

■ 20.7252, 0.3581,
0.4443

■ 21.6273, 0.3391,
0.3924

■ 20.3434, 0.3659,
0.4688

■ 22.1518, 0.3288,
0.3668

■ 20.0044, 0.3719,
0.4910


■ 22.7280, 0.3184,
0.3422

■ 19.7055, 0.3758,
0.5098


■ 23.3576, 0.3083,
0.3190

■ 19.4435, 0.3773,
0.5247


■ 24.0426, 0.2985,
0.2975

 19.2137, 0.3766,
0.5353

 24.7844, 0.2893,
0.2777

 19.1173, 0.3761,
0.5396

 25.5848, 0.2807,
0.2596

 26.4451, 0.2727,
0.2433

 27.3669, 0.2653,
0.2285

Harmonies

Analogous

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



21.1515, 0.3898, 0.4062



21.1515, 0.3490, 0.4185



21.1515, 0.3003, 0.4020

Triad

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



21.1515, 0.3490, 0.4185



21.1515, 0.2234, 0.2727



21.1515, 0.3684, 0.2986

Complementary

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



21.1515, 0.3490, 0.4185



10.7072, 0.2666, 0.2313

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.



21.1515, 0.3193, 0.2688



21.1515, 0.3490, 0.4185



21.1515, 0.2380, 0.2529

Square

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



21.1515, 0.3490, 0.4185



21.1515, 0.2299, 0.3110



21.1515, 0.2718, 0.2523



21.1515, 0.4029, 0.3362

Rectangle

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



21.1515, 0.3490, 0.4185



21.1515, 0.2702, 0.3760



21.1515, 0.2718, 0.2523



21.1515, 0.3528, 0.2875

Sweetspot

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



21.1524, 0.3490, 0.4185



39.4512, 0.3243, 0.3559



14.0673, 0.3854, 0.3519



9.1586, 0.3255, 0.3587



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.1524, 0.3490, 0.4185



36.6257, 0.3567, 0.4401



19.6866, 0.3209, 0.4270



5.3649, 0.3221, 0.3507



18.5134, 0.3761, 0.5395



0.0676, 0.3976, 0.5225

Inverse Universe

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



10.7072, 0.2666, 0.2313



15.2765, 0.2531, 0.2049



12.1770, 0.2994, 0.2399



4.5977, 0.3028, 0.3068



1.9392, 0.1674, 0.0696



0.0098, 0.2089, 0.0924

Previews

White Background



This preview shows how the Yxy color 21.1515, 0.3490, 0.4185 looks on a white background.

Color Contrast Check

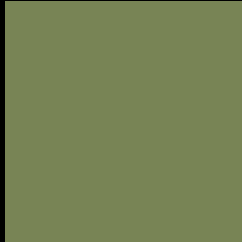
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1515, 0.3490, 0.4185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

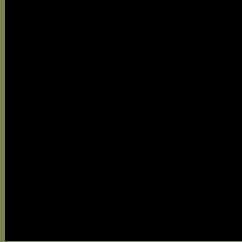
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1515, 0.3490, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 21.1515, 0.3490, 0.4185.



This preview shows how white text looks on a background with the Yxy color 21.1515, 0.3490, 0.4185.

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

21.1515, 0.3490, 0.4185

Protanopia

21.2066, 0.3770, 0.4072

Deuteranopia

20.9422, 0.3934, 0.3864



Tritanopia

21.2113, 0.3030, 0.3112

Trichromacy



Original Color

21.1515, 0.3490, 0.4185

Protanomaly

21.1659, 0.3656, 0.4113

Deuteranomaly

20.9146, 0.3774, 0.3981

Tritanomaly

21.0078, 0.3201, 0.3494

Monochromacy



Original Color

21.1515, 0.3490, 0.4185

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1634, 0.3270, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1515, 0.3490, 0.4185 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(120, 132, 85)` looks like.

```
.text, #text, p{  
    color:rgb(120, 132, 85)  
}
```

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(120, 132, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 132, 85) }
```

Border

The CSS property to change the border of an element to Yxy 21.1515, 0.3490, 0.4185 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(120, 132, 85) }
```

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

```
.border{ border-color:rgb(120, 132, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 132, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 132, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 132, 85);  
box-shadow:4px 4px 4px 4px rgb(120, 132,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1515, 0.3490, 0.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 132, 85) }
```

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

```
.background{ background-color: rgb(120,  
132, 85) }
```

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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