

Converting Colors

$Y_{xy}(21.4872, 0.3531, 0.4478)$

Have a look what the booklet for
Yxy(21.4872, 0.3531, 0.4478)
contains.

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Color

Yxy(21.4538, 0.3533, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	738749
RGB	115, 135, 73
RGB Percent	45%, 53%, 29%
CMY	0.5490, 0.4706, 0.7138
CMYK	0.15, 0.00, 0.46, 0.47
HSL	79°, 30%, 41%
HSV	79°, 46%, 53%
XYZ	16.9377, 21.4538, 9.5499
YIQ	121.9520, 7.9820, -23.5220

Conversions

Conversions Part 2

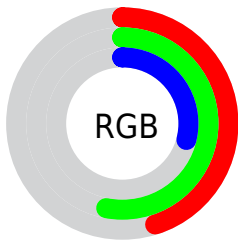
Format	Color
R_{YB}	73, 135, 93
Decimal	7571273
CIE _{Lab}	53.44, -17.95, 30.87
CIE _{LCh}	53, 35.709, 120.183
Yxy	21.4538, 0.3533, 0.4475
Android (android.graphics.Color)	4285761353 (0xFF738749)
YUV	121.9520, -24.1333, -6.0969
Hunter-Lab	46.3182, -15.7828, 20.1983

Details

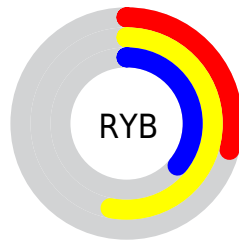
The Yxy color **21.4538, 0.3533, 0.4475** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.8395, 0.2553, 0.2003**, and the grayscale version is **19.5248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7213, 0.3459, 0.4194**, and **7.6954, 0.3628, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **21.0066, 0.3599, 0.4731**, and if you desaturate by 10%, it is **21.9557, 0.3454, 0.4208**.

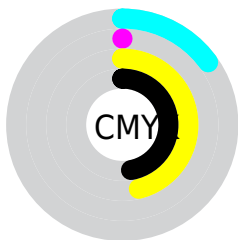
Distribution



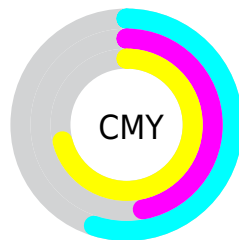
- Red (45%)
- Green (53%)
- Blue (29%)



- Red (29%)
- Yellow (53%)
- Blue (36%)



- Cyan (15%)
- Magenta (0%)
- Yellow (46%)
- Black (47%)





- Cyan (55%)
- Magenta (47%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4538, 0.3533, 0.4475 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 21.4538, 0.3533, 0.4475 by changing the saturation by 10% instead.


 21.4538, 0.3533,
0.4475

 21.4538, 0.3533,
0.4475


259.6805, 0.3326,
0.3788


 13.4561, 0.3579,
0.4682


 45.8416, 0.3460,
0.4200


 7.7434, 0.3627,
0.4969


 63.0004, 0.3431,
0.4105


 3.9312, 0.3676,
0.5406


 83.9818, 0.3407,
0.4027

 1.6351, 0.3756,
0.6244

 109.1702, 0.3386,
0.3963

 0.3811, 0.0000,
1.0000

 138.9498, 0.3368,
0.3909

 0.0000, 0.0000,
0.0000

173.7051, 0.3352,

0.3863

213.8205, 0.3338,
0.3823

■ 21.4538, 0.3533,
0.4475

■ 21.4538, 0.3533,
0.4475

■ 21.0066, 0.3599,
0.4731

■ 21.9557, 0.3454,
0.4208

■ 20.6085, 0.3647,
0.4965

■ 22.5120, 0.3367,
0.3940

■ 20.2574, 0.3674,
0.5166


■ 23.1260, 0.3275,
0.3679


■ 19.9499, 0.3677,
0.5325


■ 23.7997, 0.3182,
0.3430


■ 19.6806, 0.3658,
0.5441


■ 24.5352, 0.3090,
0.3197

 19.5769, 0.3649,
0.5484

 25.3345, 0.3002,
0.2982

 26.1994, 0.2918,
0.2786

 27.1316, 0.2839,
0.2607

 28.1329, 0.2766,
0.2446

Harmonies

Analogous

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



21.4538, 0.4082, 0.4300



21.4538, 0.3533, 0.4475



21.4538, 0.2905, 0.4242

Triad

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



21.4538, 0.3533, 0.4475



21.4538, 0.1996, 0.2523



21.4538, 0.3899, 0.2925

Complementary

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



21.4538, 0.3533, 0.4475



8.8395, 0.2553, 0.2003

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.



21.4538, 0.3253, 0.2547



21.4538, 0.3533, 0.4475



21.4538, 0.2196, 0.2307

Square

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



21.4538, 0.3533, 0.4475



21.4538, 0.2052, 0.2993



21.4538, 0.2633, 0.2326



21.4538, 0.4333, 0.3396

Rectangle

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



21.4538, 0.3533, 0.4475



21.4538, 0.2527, 0.3870



21.4538, 0.2633, 0.2326



21.4538, 0.3695, 0.2785

Sweetspot

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



21.4548, 0.3533, 0.4475



41.6016, 0.3260, 0.3638



13.3955, 0.4123, 0.3664



9.5833, 0.3277, 0.3686



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.4548, 0.3533, 0.4475



37.5957, 0.3600, 0.4738



19.7106, 0.3178, 0.4621



5.3498, 0.3211, 0.3508



18.0595, 0.3651, 0.5483



0.0665, 0.3912, 0.5276

Inverse Universe

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



8.8395, 0.2553, 0.2003



12.0891, 0.2388, 0.1686



10.7711, 0.3003, 0.2154



4.6121, 0.3038, 0.3069



2.1036, 0.1757, 0.0742



0.0109, 0.2222, 0.0997

Previews

White Background



This preview shows how the Yxy color 21.4538, 0.3533, 0.4475 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 21.4538, 0.3533, 0.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

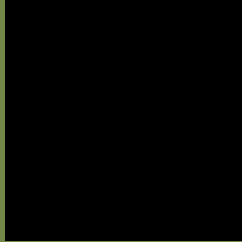
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

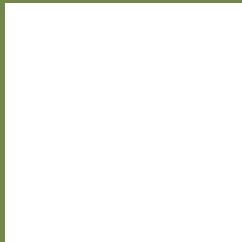
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.4538, 0.3533, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 21.4538, 0.3533, 0.4475.



This preview shows how white text looks on a background with the Yxy color 21.4538, 0.3533, 0.4475.

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

21.4538, 0.3533, 0.4475

Protanopia

21.4560, 0.3928, 0.4291

Deuteranopia

21.4094, 0.4109, 0.4039



Tritanopia

21.4843, 0.2964, 0.3110

Trichromacy



Original Color

21.4538, 0.3533, 0.4475

Protanomaly

21.5128, 0.3779, 0.4367

Deuteranomaly

21.2622, 0.3884, 0.4197

Tritanomaly

21.4406, 0.3182, 0.3609

Monochromacy



Original Color

21.4538, 0.3533, 0.4475

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.1002, 0.3287, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4538, 0.3533, 0.4475 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(115, 135, 73)` looks like.

```
.text, #text, p{  
    color:rgb(115, 135, 73)  
}
```

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(115, 135, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 135, 73) }
```

Border

The CSS property to change the border of an element to Yxy 21.4538, 0.3533, 0.4475 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(115, 135, 73) }
```

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

```
.border{ border-color:rgb(115, 135, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 135, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 135, 73); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 135, 73); box-shadow:4px 4px 4px 4px rgb(115, 135, 73) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4538, 0.3533, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 135, 73) }
```

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

```
.background{ background-color: rgb(115,  
135, 73) }
```

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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