

Converting Colors

$Y_{xy}(21.7440, 0.3512, 0.4352)$

Have a look what the booklet for
Yxy(21.7440, 0.3512, 0.4352)
contains.

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Color

Yxy(21.7440, 0.3512, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	76874F
RGB	118, 135, 79
RGB Percent	46%, 53%, 31%
CMY	0.5372, 0.4706, 0.6901
CMYK	0.13, 0.00, 0.41, 0.47
HSL	78°, 26%, 42%
HSV	78°, 41%, 53%
XYZ	17.5471, 21.7440, 10.6721
YIQ	123.5330, 7.8440, -21.0200

Conversions

Conversions Part 2

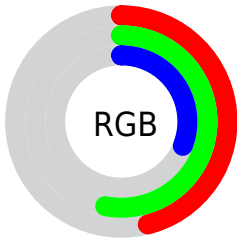
Format	Color
R_{YB}	79, 135, 96
Decimal	7767887
CIE _{Lab}	53.75, -15.96, 28.05
CIE _{LCh}	54, 32.276, 119.640
Yxy	21.7440, 0.3512, 0.4352
Android (android.graphics.Color)	4285957967 (0xFF76874F)
YUV	123.5330, -21.9548, -4.8524
Hunter-Lab	46.6305, -14.4336, 19.0718

Details

The Yxy color **21.7440, 0.3512, 0.4352** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.8314, 0.2607, 0.2137**, and the grayscale version is **20.0659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2093, 0.3441, 0.4104**, and **7.8357, 0.3606, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **21.2871, 0.3587, 0.4611**, and if you desaturate by 10%, it is **22.2553, 0.3426, 0.4086**.

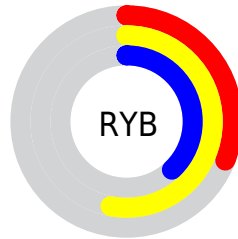
Distribution



Red (46%)

Green (53%)

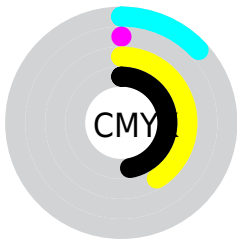
Blue (31%)



Red (31%)

Yellow (53%)

Blue (38%)

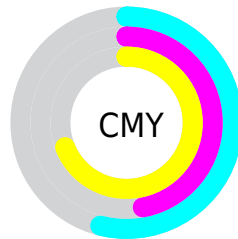


Cyan (13%)

Magenta (0%)

Yellow (41%)

Black (47%)



Cyan (54%)

Magenta (47%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7440, 0.3512, 0.4352 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 21.7440, 0.3512, 0.4352 by changing the saturation by 10% instead.

■ 21.7440, 0.3512,
0.4352

■ 21.7440, 0.3512,
0.4352

261.2065, 0.3312,
0.3739

■ 13.6689, 0.3559,
0.4537

■ 46.3225, 0.3440,
0.4107

■ 7.8908, 0.3614,
0.4795

■ 63.5947, 0.3412,
0.4021

■ 4.0251, 0.3667,
0.5173

■ 84.7015, 0.3389,
0.3952

■ 1.6876, 0.3895,
0.6105

■ 110.0271, 0.3369,
0.3895

■ 0.4156, 0.0128,
0.9872

■ 139.9560, 0.3352,
0.3846

■ 0.0000, 0.0000,
0.0000

174.8726, 0.3337,

0.3805

215.1613, 0.3324,
0.3770

■ 21.7440, 0.3512,
0.4352

■ 21.7440, 0.3512,
0.4352

■ 21.2871, 0.3587,
0.4611

■ 22.2553, 0.3426,
0.4086

■ 20.8790, 0.3647,
0.4853

■ 22.8204, 0.3332,
0.3821

■ 20.5179, 0.3687,
0.5066

■ 23.4425, 0.3237,
0.3566

■ 20.2005, 0.3704,
0.5241

■ 24.1237, 0.3141,
0.3324

■ 19.9231, 0.3697,
0.5372

■ 24.8659, 0.3048,
0.3099

■ 19.7087, 0.3680,
0.5460

■ 25.6710, 0.2959,
0.2892

■ 26.5408, 0.2875,
0.2702

■ 27.4770, 0.2797,
0.2531

■ 28.4812, 0.2724,
0.2376

Harmonies

Analogous

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



21.7440, 0.4004, 0.4204



21.7440, 0.3512, 0.4352



21.7440, 0.2942, 0.4144

Triad

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



21.7440, 0.3512, 0.4352



21.7440, 0.2095, 0.2606



21.7440, 0.3813, 0.2954

Complementary

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



21.7440, 0.3512, 0.4352



9.8314, 0.2607, 0.2137

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.



21.7440, 0.3233, 0.2608



21.7440, 0.3512, 0.4352



21.7440, 0.2275, 0.2398

Square

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



21.7440, 0.3512, 0.4352



21.7440, 0.2153, 0.3039



21.7440, 0.2673, 0.2408



21.7440, 0.4207, 0.3387

Rectangle

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



21.7440, 0.3512, 0.4352



21.7440, 0.2597, 0.3819



21.7440, 0.2673, 0.2408



21.7440, 0.3630, 0.2826

Sweetspot

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



21.7450, 0.3512, 0.4352



41.8868, 0.3244, 0.3586



14.0473, 0.4002, 0.3610



9.6715, 0.3255, 0.3613



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.



21.7450, 0.3512, 0.4352



38.1470, 0.3585, 0.4602



20.0777, 0.3187, 0.4470



5.3540, 0.3214, 0.3508



18.1804, 0.3681, 0.5459



0.0668, 0.3930, 0.5262

Inverse Universe

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



9.8314, 0.2607, 0.2137



13.7317, 0.2453, 0.1835



11.6142, 0.3006, 0.2259



4.6081, 0.3035, 0.3069



2.0540, 0.1732, 0.0728



0.0106, 0.2186, 0.0978

Previews

White Background



This preview shows how the Yxy color 21.7440, 0.3512, 0.4352 looks on a white background.

Color Contrast Check

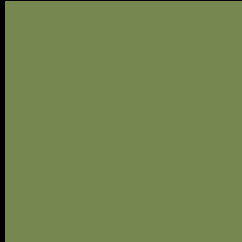
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7440, 0.3512, 0.4352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

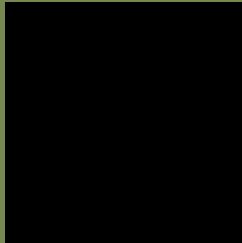
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7440, 0.3512, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 21.7440, 0.3512, 0.4352.



This preview shows how white text looks on a background with the Yxy color 21.7440, 0.3512, 0.4352.

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

21.7440, 0.3512, 0.4352

Protanopia

21.5356, 0.3865, 0.4196

Deuteranopia

21.7437, 0.4031, 0.3962



Tritanopia

21.7089, 0.2998, 0.3112

Trichromacy



Original Color

21.7440, 0.3512, 0.4352

Protanomaly

21.6740, 0.3731, 0.4262

Deuteranomaly

21.5236, 0.3844, 0.4090

Tritanomaly

21.7279, 0.3185, 0.3549

Monochromacy



Original Color

21.7440, 0.3512, 0.4352

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6586, 0.3277, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7440, 0.3512, 0.4352 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, 135, 79)` looks like.

```
.text, #text, p{  
    color:rgb(118, 135, 79)  
}
```

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, 135, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 135, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.7440, 0.3512, 0.4352 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, 135, 79) }
```

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

```
.border{ border-color:rgb(118, 135, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 135, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 135, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 135, 79);  
box-shadow:4px 4px 4px 4px rgb(118, 135,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7440, 0.3512, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 135, 79) }
```

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

```
.background{ background-color: rgb(118,  
135, 79) }
```

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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