

Converting Colors

$Y_{xy}(20.1753, 0.3530, 0.4397)$

Have a look what the booklet for
Yxy(20.1753, 0.3530, 0.4397)
contains.

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Color

Yxy(20.3044, 0.3531, 0.4401)

Conversions

Conversions Part 1

Format	Color
Hex	72834A
RGB	114, 131, 74
RGB Percent	45%, 51%, 29%
CMY	0.5530, 0.4862, 0.7098
CMYK	0.13, 0.00, 0.44, 0.49
HSL	78°, 28%, 40%
HSV	78°, 44%, 51%
XYZ	16.2906, 20.3044, 9.5409
YIQ	119.4190, 8.1650, -21.3310

Conversions

Conversions Part 2

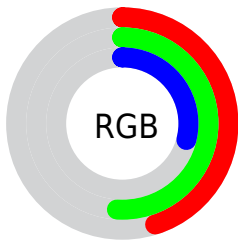
Format	Color
RYB	74, 131, 91
Decimal	7504714
CIELab	52.18, -16.14, 28.72
CIElCh	52, 32.943, 119.335
Yxy	20.3044, 0.3531, 0.4401
Android (android.graphics.Color)	4285694794 (0xFF72834A)
YUV	119.4190, -22.3916, -4.7525
Hunter-Lab	45.0604, -14.3230, 18.9885

Details

The Yxy color **20.3044, 0.3531, 0.4401** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.7638, 0.2573, 0.2076**, and the grayscale version is **18.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9517, 0.3454, 0.4135**, and **7.2422, 0.3638, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **19.8899, 0.3604, 0.4656**, and if you desaturate by 10%, it is **20.7687, 0.3446, 0.4137**.

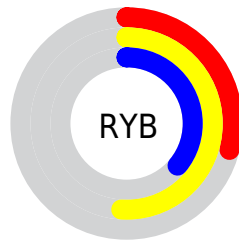
Distribution



Red (45%)

Green (51%)

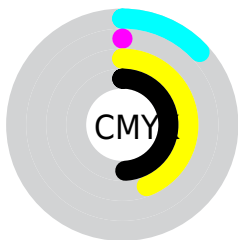
Blue (29%)



Red (29%)

Yellow (51%)

Blue (36%)

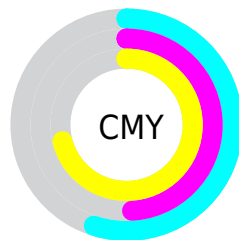


Cyan (13%)

Magenta (0%)

Yellow (44%)

Black (49%)



Cyan (55%)


Magenta (49%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3044, 0.3531, 0.4401 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 20.3044, 0.3531, 0.4401 by changing the saturation by 10% instead.


 20.3044, 0.3531,
0.4401


 20.3044, 0.3531,
0.4401

253.5583, 0.3320,
0.3753


 12.6165, 0.3580,
0.4599


 43.9269, 0.3455,
0.4140

 7.1650, 0.3636,
0.4877


 60.6304, 0.3426,
0.4050

 3.5655, 0.3701,
0.5308

 81.1078, 0.3401,
0.3977

 1.4336, 0.3826,
0.6174

 105.7436, 0.3380,
0.3917

 0.2413, 0.0000,
1.0000

 134.9221, 0.3362,
0.3866

 0.0000, 0.0000,
0.0000

169.0278, 0.3346,

0.3823

208.4451, 0.3332,
0.3786

■ 20.3044, 0.3531,
0.4401

■ 20.3044, 0.3531,
0.4401

■ 19.8899, 0.3604,
0.4656

■ 20.7687, 0.3446,
0.4137

■ 19.5202, 0.3661,
0.4892

■ 21.2823, 0.3353,
0.3873

■ 19.1932, 0.3698,
0.5097


■ 21.8482, 0.3257,
0.3616


■ 18.9061, 0.3711,
0.5263

■ 22.4684, 0.3161,
0.3372


■ 18.6551, 0.3701,
0.5384

■ 23.1447, 0.3066,
0.3144

 18.5035, 0.3689,
0.5453

 23.8789, 0.2976,
0.2933

 24.6725, 0.2891,
0.2741

 25.5273, 0.2810,
0.2566

 26.4446, 0.2736,
0.2408

Harmonies

Analogous

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



20.3044, 0.4043, 0.4237



20.3044, 0.3531, 0.4401



20.3044, 0.2938, 0.4190

Triad

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



20.3044, 0.3531, 0.4401



20.3044, 0.2054, 0.2579



20.3044, 0.3837, 0.2935

Complementary

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



20.3044, 0.3531, 0.4401



8.7638, 0.2573, 0.2076

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.



20.3044, 0.3230, 0.2578



20.3044, 0.3531, 0.4401



20.3044, 0.2237, 0.2363

Square

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



20.3044, 0.3531, 0.4401



20.3044, 0.2116, 0.3030



20.3044, 0.2648, 0.2373



20.3044, 0.4253, 0.3383

Rectangle

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



20.3044, 0.3531, 0.4401



20.3044, 0.2578, 0.3849



20.3044, 0.2648, 0.2373



20.3044, 0.3645, 0.2803

Sweetspot

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



20.3053, 0.3531, 0.4401



39.1432, 0.3255, 0.3611



12.6598, 0.4065, 0.3607



9.0656, 0.3274, 0.3660



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.



20.3053, 0.3531, 0.4401



35.6364, 0.3602, 0.4649



18.7245, 0.3198, 0.4529



5.3551, 0.3215, 0.3508



18.2134, 0.3690, 0.5452



0.0669, 0.3935, 0.5258

Inverse Universe

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



8.7638, 0.2573, 0.2076



12.1925, 0.2416, 0.1774



10.4358, 0.2983, 0.2207



4.6070, 0.3035, 0.3069



2.0413, 0.1726, 0.0724



0.0105, 0.2176, 0.0972

Previews

White Background



This preview shows how the Yxy color 20.3044, 0.3531, 0.4401 looks on a white background.

Color Contrast Check

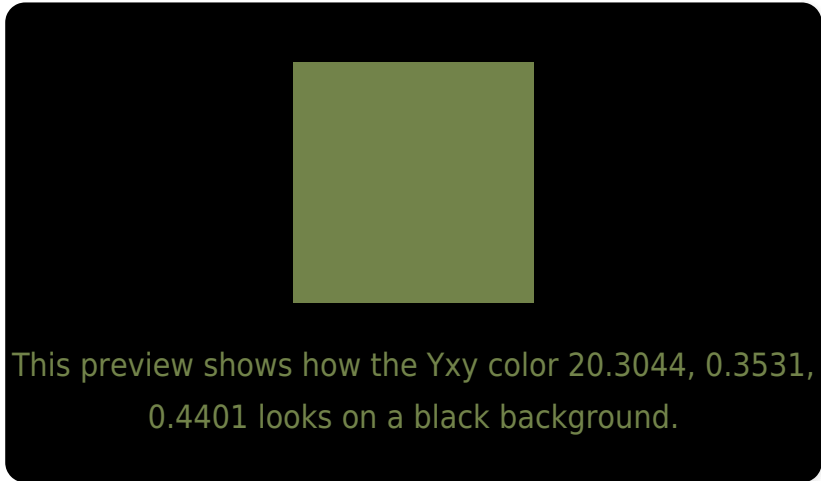
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

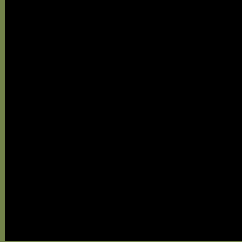
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3044, 0.3531, 0.4401

Background



This preview shows how black text looks on a background with the Yxy color 20.3044, 0.3531, 0.4401.



This preview shows how white text looks on a background with the Yxy color 20.3044, 0.3531, 0.4401.

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

20.3044, 0.3531, 0.4401

Protanopia

20.1174, 0.3886, 0.4219

Deuteranopia

20.2135, 0.4057, 0.3997



Tritanopia

20.2741, 0.2994, 0.3107

Trichromacy



Original Color

20.3044, 0.3531, 0.4401

Protanomaly

20.2490, 0.3747, 0.4288

Deuteranomaly

20.0061, 0.3863, 0.4131

Tritanomaly

20.2705, 0.3197, 0.3576

Monochromacy



Original Color

20.3044, 0.3531, 0.4401

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.9271, 0.3282, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3044, 0.3531, 0.4401 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(114, 131, 74)` looks like.

```
.text, #text, p{  
    color:rgb(114, 131, 74)  
}
```

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(114, 131, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 131, 74) }
```

Border

The CSS property to change the border of an element to Yxy 20.3044, 0.3531, 0.4401 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(114, 131, 74) }
```

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

```
.border{ border-color:rgb(114, 131, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 131, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 131, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 131, 74);  
box-shadow:4px 4px 4px 4px rgb(114, 131,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3044, 0.3531, 0.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 131, 74) }
```

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

```
.background{ background-color: rgb(114,  
131, 74) }
```

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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