

Converting Colors

$Y_{xy}(11.6890, 0.3381, 0.4619)$

Have a look what the booklet for
Yxy(11.6890, 0.3381, 0.4619)
contains.

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Color

Yxy(11.6851, 0.3381, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	4C6834
RGB	76, 104, 52
RGB Percent	30%, 41%, 20%
CMY	0.7020, 0.5921, 0.7961
CMYK	0.27, 0.00, 0.50, 0.59
HSL	92°, 33%, 31%
HSV	92°, 50%, 41%
XYZ	8.5495, 11.6851, 5.0523
YIQ	89.7000, 0.0040, -22.1080

Conversions

Conversions Part 2

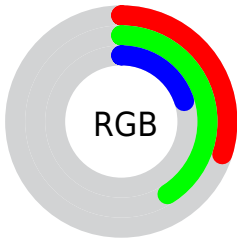
Format	Color
RYB	52, 104, 80
Decimal	5007412
CIELab	40.71, -20.42, 25.91
CIElCh	41, 32.986, 128.237
Yxy	11.6851, 0.3381, 0.4621
Android (android.graphics.Color)	4283197492 (0xFF4C6834)
YUV	89.7000, -18.5861, -12.0149
Hunter-Lab	34.1835, -15.1770, 15.1653

Details

The Yxy color **11.6851, 0.3381, 0.4621** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.1607, 0.2714, 0.1991**, and the grayscale version is **10.1954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7984, 0.3335, 0.4245**, and **3.2006, 0.3401, 0.5436** is the 20% darker color. If you saturate the color by 10%, you get **11.3825, 0.3407, 0.4900**, and if you desaturate by 10%, it is **12.0294, 0.3342, 0.4335**.

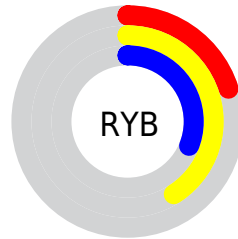
Distribution



Red (30%)

Green (41%)

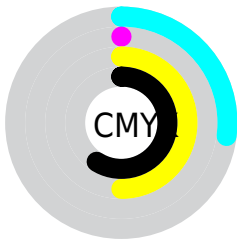
Blue (20%)



Red (20%)

Yellow (41%)

Blue (31%)

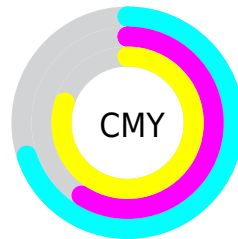


Cyan (27%)

Magenta (0%)

Yellow (50%)

Black (59%)



Cyan (70%)

Magenta (59%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6851, 0.3381, 0.4621 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 11.6851, 0.3381, 0.4621 by changing the saturation by 10% instead.

■ 11.6851, 0.3381,
0.4621

■ 11.6851, 0.3381,
0.4621

■ 202.3093, 0.3252,
0.3775

■ 6.5296, 0.3398,
0.4927

■ 28.9203, 0.3339,
0.4253

■ 3.1697, 0.3405,
0.5423

■ 41.7688, 0.3321,
0.4135

■ 1.2210, 0.3399,
0.6601

■ 57.9504, 0.3305,
0.4043

■ 0.0787, 0.0000,
1.0000

■ 77.8495, 0.3291,
0.3968

■ 0.0000, 0.0000,
0.0000

■ 101.8506, 0.3280,
0.3907

■ 130.3380, 0.3269,

0.3856

163.6961, 0.3260,
0.3813

■ 11.6851, 0.3381,
0.4621

■ 11.6851, 0.3381,
0.4621

■ 11.3825, 0.3407,
0.4900

■ 12.0294, 0.3342,
0.4335

■ 11.1181, 0.3418,
0.5159

■ 12.4156, 0.3294,
0.4052

■ 10.8904, 0.3411,
0.5384

■ 12.8458, 0.3241,
0.3780

■ 10.6972, 0.3385,
0.5565

■ 13.3215, 0.3185,
0.3526

■ 10.5297, 0.3352,
0.5721

■ 13.8443, 0.3127,
0.3290

■ 14.4154, 0.3071,
0.3076

■ 15.0361, 0.3016,
0.2882

■ 15.7078, 0.2964,
0.2707

■ 16.4317, 0.2914,
0.2551

Harmonies

Analogous

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



11.6851, 0.4041, 0.4508



11.6851, 0.3381, 0.4621



11.6851, 0.2689, 0.4228

Triad

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



11.6851, 0.3381, 0.4621



11.6851, 0.1903, 0.2336



11.6851, 0.4166, 0.3009

Complementary

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



11.6851, 0.3381, 0.4621



5.1607, 0.2714, 0.1991

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.



11.6851, 0.3468, 0.2561



11.6851, 0.3381, 0.4621



11.6851, 0.2193, 0.2178

Square

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



11.6851, 0.3381, 0.4621



11.6851, 0.1885, 0.2776



11.6851, 0.2740, 0.2266



11.6851, 0.4551, 0.3540

Rectangle

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



11.6851, 0.3381, 0.4621



11.6851, 0.2304, 0.3744



11.6851, 0.2740, 0.2266



11.6851, 0.3955, 0.2847

Sweetspot

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



11.6856, 0.3381, 0.4621



22.9070, 0.3215, 0.3661



8.8895, 0.4071, 0.3943



5.5576, 0.3224, 0.3701



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.6856, 0.3381, 0.4621



19.8846, 0.3410, 0.4945



10.8955, 0.3040, 0.4715



3.1987, 0.3178, 0.3498



12.9596, 0.3344, 0.5727



67.0812, 0.3303, 0.5759

Inverse Universe

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



5.1607, 0.2714, 0.1991



6.9799, 0.2585, 0.1684



6.3633, 0.3214, 0.2188



2.8294, 0.3073, 0.3082



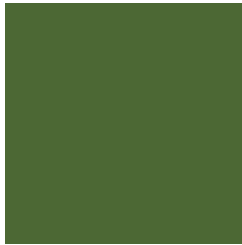
2.2503, 0.2140, 0.0953



11.2117, 0.2085, 0.0922

Previews

White Background



This preview shows how the Yxy color 11.6851, 0.3381, 0.4621 looks on a white 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

Black Background



This preview shows how the Yxy color 11.6851, 0.3381, 0.4621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

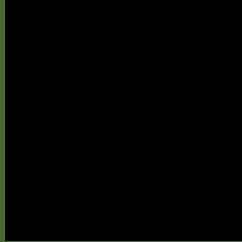
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6851, 0.3381, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 11.6851, 0.3381, 0.4621.



This preview shows how white text looks on a background with the Yxy color 11.6851, 0.3381, 0.4621.

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

11.6851, 0.3381, 0.4621

Protanopia

11.6517, 0.3967, 0.4328

Deuteranopia

11.5399, 0.4125, 0.4045



Tritanopia

11.6608, 0.2825, 0.3100

Trichromacy



Original Color

11.6851, 0.3381, 0.4621

Protanomaly

11.5869, 0.3741, 0.4442

Deuteranomaly

11.4569, 0.3833, 0.4252

Tritanomaly

11.5356, 0.3039, 0.3640

Monochromacy



Original Color

11.6851, 0.3381, 0.4621

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6375, 0.3243, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6851, 0.3381, 0.4621 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(76, 104, 52)` looks like.

```
.text, #text, p{  
    color:rgb(76, 104, 52)  
}
```

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(76, 104, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 104, 52) }
```

Border

The CSS property to change the border of an element to Yxy 11.6851, 0.3381, 0.4621 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(76, 104, 52) }
```

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

```
.border{ border-color:rgb(76, 104, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 104, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 104, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 104, 52);  
box-shadow:4px 4px 4px 4px rgb(76, 104,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6851, 0.3381, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 104, 52) }
```

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

```
.background{ background-color: rgb(76, 104,  
52) }
```

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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