

Converting Colors

$Y_{xy}(21.7349, 0.3012, 0.4607)$

Have a look what the booklet for
Yxy(21.7349, 0.3012, 0.4607)
contains.

Yxy(21.7349, 0.3012, 0.4607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.7349, 0.3012, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	4B8F51
RGB	75, 143, 81
RGB Percent	29%, 56%, 32%
CMY	0.7059, 0.4392, 0.6823
CMYK	0.48, 0.00, 0.43, 0.44
HSL	125°, 31%, 43%
HSV	125°, 48%, 56%
XYZ	14.2100, 21.7349, 11.2331
YIQ	115.6000, -20.6260, -33.6980

Conversions

Conversions Part 2

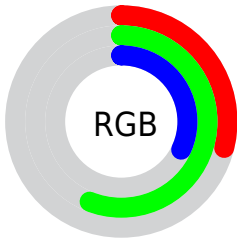
Format	Color
R_{YB}	75, 137, 143
Decimal	4951889
CIE _{Lab}	53.74, -35.25, 26.45
CIE _{LCh}	54, 44.070, 143.120
Yxy	21.7349, 0.3012, 0.4607
Android (android.graphics.Color)	4283141969 (0xFF4B8F51)
YUV	115.6000, -17.0578, -35.6062
Hunter-Lab	46.6207, -27.1794, 18.3488

Details

The Yxy color **21.7349, 0.3012, 0.4607** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6788, 0.3268, 0.2257**, and the grayscale version is **17.3953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1604, 0.3059, 0.4283**, and **7.9082, 0.2903, 0.5237** is the 20% darker color. If you saturate the color by 10%, you get **21.0453, 0.2993, 0.4932**, and if you desaturate by 10%, it is **22.5935, 0.3035, 0.4287**.

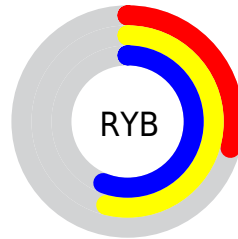
Distribution



Red (29%)

Green (56%)

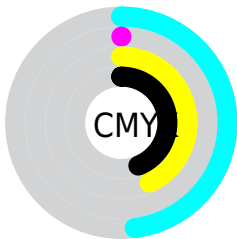
Blue (32%)



Red (29%)

Yellow (54%)

Blue (56%)

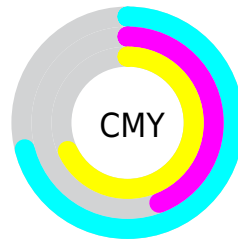


Cyan (48%)

Magenta (0%)

Yellow (43%)

Black (44%)



Cyan (71%)


Magenta (44%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7349, 0.3012, 0.4607 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 21.7349, 0.3012, 0.4607 by changing the saturation by 10% instead.


 21.7349, 0.3012,
0.4607


 21.7349, 0.3012,
0.4607


261.1587, 0.3103,
0.3822


 13.6622, 0.2969,
0.4859


 46.3075, 0.3057,
0.4284


 7.8861, 0.2896,
0.5223


 63.5761, 0.3070,
0.4175


 4.0222, 0.2755,
0.5786

 84.6789, 0.3080,
0.4087

 1.6860, 0.2578,
0.7422

 110.0003, 0.3087,
0.4015

 0.4145, 0.0000,
1.0000

 139.9245, 0.3092,
0.3955

 0.0000, 0.0000,
0.0000

174.8361, 0.3097,

0.3904

215.1193, 0.3100,
0.3860

■ 21.7349, 0.3012,
0.4607

■ 21.7349, 0.3012,
0.4607

■ 21.0453, 0.2993,
0.4932

■ 22.5935, 0.3035,
0.4287

■ 20.5110, 0.2980,
0.5243

■ 23.6284, 0.3059,
0.3984

■ 20.1207, 0.2973,
0.5520


■ 24.8495, 0.3084,
0.3706


■ 19.8602, 0.2974,
0.5741

■ 26.2656, 0.3109,
0.3458

■ 19.7049, 0.2979,
0.5895

■ 27.8845, 0.3133,
0.3239

 19.6735, 0.2979,
0.5924

 29.7139, 0.3155,
0.3048

 31.7609, 0.3176,
0.2882

 34.0323, 0.3194,
0.2738

 36.5348, 0.3212,
0.2615

Harmonies

Analogous

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



21.7349, 0.3766, 0.4733



21.7349, 0.3012, 0.4607



21.7349, 0.2330, 0.3930

Triad

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



21.7349, 0.3012, 0.4607



21.7349, 0.1933, 0.2144



21.7349, 0.4521, 0.3255

Complementary

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



21.7349, 0.3012, 0.4607



12.6788, 0.3268, 0.2257

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.



21.7349, 0.3896, 0.2727



21.7349, 0.3012, 0.4607



21.7349, 0.2378, 0.2116

Square

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



21.7349, 0.3012, 0.4607



21.7349, 0.1769, 0.2454



21.7349, 0.3081, 0.2324



21.7349, 0.4692, 0.3833

Rectangle

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



21.7349, 0.3012, 0.4607



21.7349, 0.2007, 0.3353



21.7349, 0.3081, 0.2324



21.7349, 0.4354, 0.3070

Sweetspot

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



21.7358, 0.3012, 0.4607



45.2864, 0.3093, 0.3622



25.5003, 0.3739, 0.4442



10.2758, 0.3088, 0.3673



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.7358, 0.3012, 0.4607



37.6168, 0.2992, 0.4953



22.3718, 0.2735, 0.3872



6.0366, 0.3105, 0.3497



17.3962, 0.2978, 0.5919



0.1675, 0.2877, 0.5558

Inverse Universe

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



12.6788, 0.3268, 0.2257



19.3672, 0.3305, 0.2060



11.8589, 0.3836, 0.2789



5.5029, 0.3150, 0.3092



6.5987, 0.3438, 0.1668



0.0646, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 21.7349, 0.3012, 0.4607 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 21.7349, 0.3012, 0.4607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

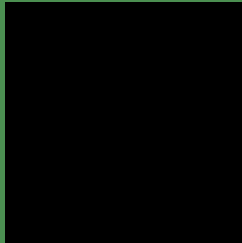
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7349, 0.3012, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 21.7349, 0.3012, 0.4607.



This preview shows how white text looks on a background with the Yxy color 21.7349, 0.3012, 0.4607.

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

21.7349, 0.3012, 0.4607

Protanopia

21.5218, 0.3876, 0.4212

Deuteranopia

21.3633, 0.3965, 0.3890



Tritanopia

21.5271, 0.2571, 0.3080

Trichromacy



Original Color

21.7349, 0.3012, 0.4607

Protanomaly

21.0239, 0.3517, 0.4367

Deuteranomaly

20.9653, 0.3573, 0.4152

Tritanomaly

21.4669, 0.2736, 0.3613

Monochromacy



Original Color

21.7349, 0.3012, 0.4607

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6677, 0.3081, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7349, 0.3012, 0.4607 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(75, 143, 81)` looks like.

```
.text, #text, p{  
    color:rgb(75, 143, 81)  
}
```

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(75, 143, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 143, 81) }
```

Border

The CSS property to change the border of an element to Yxy 21.7349, 0.3012, 0.4607 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(75, 143, 81) }
```

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

```
.border{ border-color:rgb(75, 143, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 143, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 143, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 143, 81);  
box-shadow:4px 4px 4px 4px rgb(75, 143,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7349, 0.3012, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 143, 81) }
```

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

```
.background{ background-color: rgb(75, 143,  
81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor