

Converting Colors

$Y_{xy}(30.3997, 0.3538, 0.4454)$

Have a look what the booklet for
Yxy(30.3997, 0.3538, 0.4454)
contains.

Yxy(30.3761, 0.3540, 0.4461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3761, 0.3540, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	889E57
RGB	136, 158, 87
RGB Percent	53%, 62%, 34%
CMY	0.4665, 0.3804, 0.6588
CMYK	0.14, 0.00, 0.45, 0.38
HSL	79°, 29%, 48%
HSV	79°, 45%, 62%
XYZ	24.1048, 30.3761, 13.6117
YIQ	143.3280, 9.6790, -26.7450

Conversions

Conversions Part 2

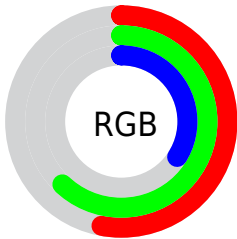
Format	Color
RYB	87, 158, 109
Decimal	8953431
CIELab	61.98, -19.62, 34.44
CIELCh	62, 39.637, 119.670
Yxy	30.3761, 0.3540, 0.4461
Android (android.graphics.Color)	4287143511 (0xFF889E57)
YUV	143.3280, -27.7697, -6.4267
Hunter-Lab	55.1145, -18.3820, 23.9372

Details

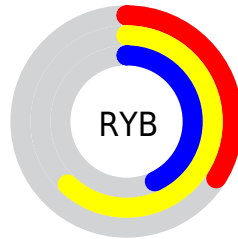
The Yxy color **30.3761, 0.3540, 0.4461** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5364, 0.2548, 0.2011**, and the grayscale version is **27.7196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3706, 0.3468, 0.4220**, and **12.5932, 0.3629, 0.4877** is the 20% darker color. If you saturate the color by 10%, you get **29.7466, 0.3609, 0.4719**, and if you desaturate by 10%, it is **31.0835, 0.3457, 0.4192**.

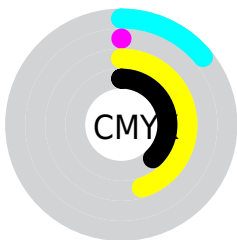
Distribution



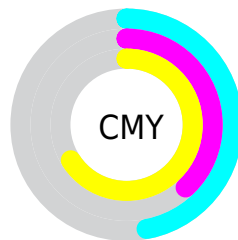
- Red (53%)
- Green (62%)
- Blue (34%)



- Red (34%)
- Yellow (62%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (38%)





- Cyan (47%)
- Magenta (38%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3761, 0.3540, 0.4461 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 30.3761, 0.3540, 0.4461 by changing the saturation by 10% instead.

 30.3761, 0.3540,
0.4461


 30.3761, 0.3540,
0.4461

303.6536, 0.3341,
0.3817


 20.1242, 0.3582,
0.4639


 60.2565, 0.3472,
0.4213


 12.4854, 0.3627,
0.4877


 80.6537, 0.3445,
0.4124

 7.0752, 0.3668,
0.5205


 105.2016, 0.3421,
0.4051

 3.5091, 0.3775,
0.5825

 134.2844, 0.3401,
0.3989

 1.4030, 0.3577,
0.6423

 168.2867, 0.3383,
0.3936

 0.2189, 0.0000,
1.0000

207.5927, 0.3367,

 0.0000, 0.0000,

0.3891

0.0000

252.5869, 0.3353,
0.3851

■ 30.3761, 0.3540,
0.4461

■ 30.3761, 0.3540,
0.4461

■ 29.7466, 0.3609,
0.4719

■ 31.0835, 0.3457,
0.4192

■ 29.1871, 0.3661,
0.4954

■ 31.8683, 0.3366,
0.3922

■ 28.6943, 0.3690,
0.5155


■ 32.7353, 0.3270,
0.3658

■ 28.2632, 0.3695,
0.5313

■ 33.6877, 0.3174,
0.3408

■ 27.8876, 0.3677,
0.5425

■ 34.7283, 0.3080,
0.3173

 27.7104, 0.3663,
0.5473

 35.8601, 0.2989,
0.2957

 37.0855, 0.2903,
0.2760

 38.4073, 0.2822,
0.2581

 39.8277, 0.2747,
0.2419

Harmonies

Analogous

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



30.3761, 0.4080, 0.4284



30.3761, 0.3540, 0.4461



30.3761, 0.2918, 0.4237

Triad

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



30.3761, 0.3540, 0.4461



30.3761, 0.2006, 0.2538



30.3761, 0.3880, 0.2922

Complementary

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



30.3761, 0.3540, 0.4461



12.5364, 0.2548, 0.2011

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.



30.3761, 0.3241, 0.2549



30.3761, 0.3540, 0.4461



30.3761, 0.2200, 0.2319

Square

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



30.3761, 0.3540, 0.4461



30.3761, 0.2066, 0.3007



30.3761, 0.2630, 0.2334



30.3761, 0.4315, 0.3388

Rectangle

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



30.3761, 0.3540, 0.4461



30.3761, 0.2543, 0.3873



30.3761, 0.2630, 0.2334



30.3761, 0.3678, 0.2784

Sweetspot

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



30.3774, 0.3540, 0.4461



59.7296, 0.3254, 0.3615



18.7470, 0.4121, 0.3641



13.3871, 0.3275, 0.3670



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.3774, 0.3540, 0.4461



54.0095, 0.3610, 0.4722



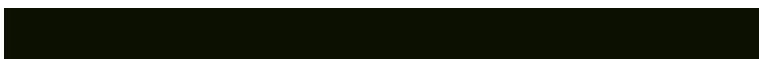
27.9192, 0.3189, 0.4604



7.6173, 0.3216, 0.3514



22.2160, 0.3668, 0.5470



0.4184, 0.3890, 0.5294

Inverse Universe

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



12.5364, 0.2548, 0.2011



17.3780, 0.2381, 0.1693



15.1980, 0.2989, 0.2158



6.5298, 0.3033, 0.3062



2.5167, 0.1732, 0.0728



0.0659, 0.2166, 0.0967

Previews

White Background



This preview shows how the Yxy color 30.3761, 0.3540, 0.4461 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3761, 0.3540, 0.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

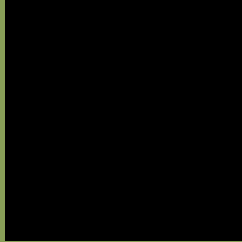
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3761, 0.3540, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 30.3761, 0.3540, 0.4461.



This preview shows how white text looks on a background with the Yxy color 30.3761, 0.3540, 0.4461.

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

30.3761, 0.3540, 0.4461

Protanopia

30.3453, 0.3921, 0.4278

Deuteranopia

30.2240, 0.4097, 0.4024



Tritanopia

30.1791, 0.2986, 0.3104

Trichromacy



Original Color

30.3761, 0.3540, 0.4461

Protanomaly

30.3084, 0.3780, 0.4347

Deuteranomaly

29.9173, 0.3891, 0.4164

Tritanomaly

29.9285, 0.3194, 0.3583

Monochromacy



Original Color

30.3761, 0.3540, 0.4461

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1853, 0.3286, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3761, 0.3540, 0.4461 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(136, 158, 87)` looks like.

```
.text, #text, p{  
    color:rgb(136, 158, 87)  
}
```

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(136, 158, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 158, 87) }
```

Border

The CSS property to change the border of an element to Yxy 30.3761, 0.3540, 0.4461 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(136, 158, 87) }
```

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

```
.border{ border-color:rgb(136, 158, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 158, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 158, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 158, 87);  
box-shadow:4px 4px 4px 4px rgb(136, 158,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3761, 0.3540, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 158, 87) }
```

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

```
.background{ background-color: rgb(136,  
158, 87) }
```

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