

Converting Colors

$Y_{xy}(21.8914, 0.3671, 0.4761)$

Have a look what the booklet for
Yxy(21.8914, 0.3671, 0.4761)
contains.

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Color

Yxy(21.8997, 0.3671, 0.4761)

Conversions

Conversions Part 1

Format	Color
Hex	748939
RGB	116, 137, 57
RGB Percent	45%, 54%, 22%
CMY	0.5452, 0.4627, 0.7763
CMYK	0.15, 0.00, 0.58, 0.46
HSL	76°, 41%, 38%
HSV	76°, 58%, 54%
XYZ	16.8859, 21.8997, 7.2125
YIQ	121.6010, 13.1640, -29.3320

Conversions

Conversions Part 2

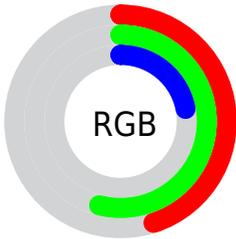
Format	Color
RYB	57, 137, 78
Decimal	7637305
CIELab	53.92, -20.30, 39.63
CIELCh	54, 44.526, 117.123
Yxy	21.8997, 0.3671, 0.4761
Android (android.graphics.Color)	4285827385 (0xFF748939)
YUV	121.6010, -31.8483, -4.9121
Hunter-Lab	46.7971, -17.4864, 23.6200

Details

The Yxy color **21.8997, 0.3671, 0.4761** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.3583, 0.2287, 0.1594**, and the grayscale version is **19.4285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4345, 0.3586, 0.4424**, and **7.9490, 0.3762, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **21.5398, 0.3724, 0.4976**, and if you desaturate by 10%, it is **22.3080, 0.3599, 0.4520**.

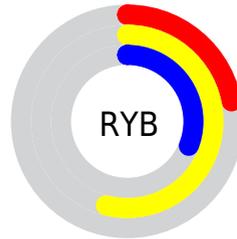
Distribution



Red (45%)

Green (54%)

Blue (22%)



Red (22%)

Yellow (54%)

Blue (31%)

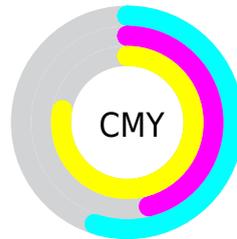


Cyan (15%)

Magenta (0%)

Yellow (58%)

Black (46%)



Cyan (55%)

Magenta (46%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8997, 0.3671, 0.4761 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 21.8997, 0.3671, 0.4761 by changing the saturation by 10% instead.

 21.8997, 0.3671,
0.4761

 21.8997, 0.3671,
0.4761

262.0220, 0.3404,
0.3918

 13.7832, 0.3720,
0.5004

 46.5802, 0.3582,
0.4429

 7.9700, 0.3761,
0.5327

 63.9129, 0.3545,
0.4312

 4.0758, 0.3882,
0.5953

 85.0866, 0.3514,
0.4216

 1.7160, 0.3625,
0.6375

 110.4856, 0.3486,
0.4136

 0.4340, 0.0000,
1.0000

 140.4942, 0.3461,
0.4068

 0.0000, 0.0000,
0.0000

 175.4969, 0.3440,

0.4011

215.8780, 0.3421,
0.3961

■ 21.8997, 0.3671,
0.4761

■ 21.8997, 0.3671,
0.4761

■ 21.5398, 0.3724,
0.4976

■ 22.3080, 0.3599,
0.4520

■ 21.2222, 0.3755,
0.5156

■ 22.7647, 0.3513,
0.4262

■ 20.9444, 0.3761,
0.5292

■ 23.2732, 0.3416,
0.4000

■ 20.6981, 0.3749,
0.5392

■ 23.8359, 0.3315,
0.3740

■ 20.6592, 0.3746,
0.5407

■ 24.4550, 0.3212,
0.3489

■ 25.1326, 0.3111,
0.3252

■ 25.8706, 0.3013,
0.3032

■ 26.6708, 0.2920,
0.2829

■ 27.5351, 0.2833,
0.2643

Harmonies

Analogous

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



21.8997, 0.4328, 0.4453



21.8997, 0.3671, 0.4761



21.8997, 0.2910, 0.4555

Triad

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



21.8997, 0.3671, 0.4761



21.8997, 0.1766, 0.2387



21.8997, 0.4004, 0.2788

Complementary

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



21.8997, 0.3671, 0.4761



6.3583, 0.2287, 0.1594

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.



21.8997, 0.3189, 0.2362



21.8997, 0.3671, 0.4761



21.8997, 0.1968, 0.2118

Square

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



21.8997, 0.3671, 0.4761



21.8997, 0.1854, 0.2977



21.8997, 0.2454, 0.2123



21.8997, 0.4585, 0.3330

Rectangle

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



21.8997, 0.3671, 0.4761



21.8997, 0.2445, 0.4102



21.8997, 0.2454, 0.2123



21.8997, 0.3742, 0.2629

Sweetspot

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



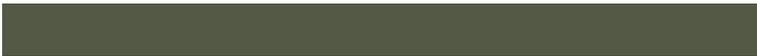
21.9007, 0.3671, 0.4761



42.6791, 0.3315, 0.3741



10.9264, 0.4586, 0.3654



9.5127, 0.3342, 0.3807



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.



21.9007, 0.3671, 0.4761



38.3818, 0.3736, 0.5037



19.7677, 0.3225, 0.5000



5.7799, 0.3220, 0.3509



19.2483, 0.3748, 0.5406



0.1350, 0.3969, 0.5231

Inverse Universe

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



6.3583, 0.2287, 0.1594



7.8283, 0.2063, 0.1218



8.5190, 0.2867, 0.1834



4.9517, 0.3029, 0.3067



2.0372, 0.1681, 0.0700



0.0198, 0.2105, 0.0933

Previews

White Background



This preview shows how the Yxy color 21.8997, 0.3671, 0.4761 looks on a white background.

Color Contrast Check

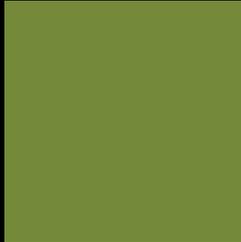
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8997, 0.3671, 0.4761 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 21.8997, 0.3671, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 21.8997, 0.3671, 0.4761.



This preview shows how white text looks on a background with the Yxy color 21.8997, 0.3671, 0.4761.

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

21.8997, 0.3671, 0.4761

Protanopia

21.8160, 0.4100, 0.4502

Deuteranopia

21.6269, 0.4320, 0.4228



Tritanopia

22.0002, 0.2988, 0.3113

Trichromacy



Original Color

21.8997, 0.3671, 0.4761

Protanomaly

21.7746, 0.3934, 0.4596

Deuteranomaly

21.3446, 0.4074, 0.4407

Tritanomaly

21.7442, 0.3257, 0.3721

Monochromacy



Original Color

21.8997, 0.3671, 0.4761

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.0537, 0.3367, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8997, 0.3671, 0.4761 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(116, 137, 57)` looks like.

```
.text, #text, p{  
    color:rgb(116, 137, 57)  
}
```

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(116, 137, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 137, 57) }
```

Border

The CSS property to change the border of an element to Yxy 21.8997, 0.3671, 0.4761 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(116, 137, 57) }
```

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

```
.border{ border-color:rgb(116, 137, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 137, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 137, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 137, 57);  
box-shadow:4px 4px 4px 4px rgb(116, 137,  
57) }
```

Background

The CSS property to change the background color of an element to Yxy 21.8997, 0.3671, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 137, 57) }
```

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

```
.background{ background-color: rgb(116,  
137, 57) }
```

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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