

Converting Colors

$Y_{xy}(22.1401, 0.3497, 0.4428)$

Have a look what the booklet for
Yxy(22.1401, 0.3497, 0.4428)
contains.

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Color

Yxy(22.1401, 0.3497, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	74894D
RGB	116, 137, 77
RGB Percent	45%, 54%, 30%
CMY	0.5452, 0.4627, 0.6980
CMYK	0.15, 0.00, 0.44, 0.46
HSL	81°, 28%, 42%
HSV	81°, 44%, 54%
XYZ	17.4851, 22.1401, 10.3750
YIQ	123.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

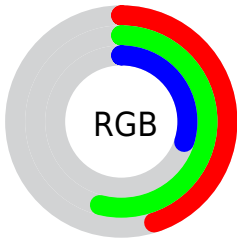
Format	Color
RYB	77, 137, 98
Decimal	7637325
CIELab	54.18, -18.11, 29.64
CIELCh	54, 34.738, 121.426
Yxy	22.1401, 0.3497, 0.4428
Android (android.graphics.Color)	4285827405 (0xFF74894D)
YUV	123.8810, -23.1123, -6.9116
Hunter-Lab	47.0533, -16.0123, 19.8641

Details

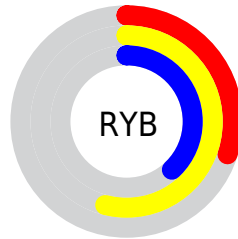
The Yxy color $22.1401, 0.3497, 0.4428$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.7154, 0.2608, 0.2075$, and the grayscale version is $20.1901, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.7942, 0.3432, 0.4160$, and $8.0684, 0.3584, 0.4910$ is the 20% darker color. If you saturate the color by 10%, you get $21.6468, 0.3561, 0.4692$, and if you desaturate by 10%, it is $22.6932, 0.3421, 0.4156$.

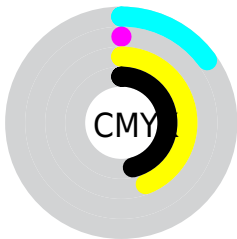
Distribution



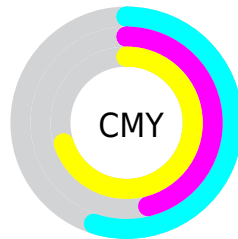
- Red (45%)
- Green (54%)
- Blue (30%)



- Red (30%)
- Yellow (54%)
- Blue (38%)



- Cyan (15%)
- Magenta (0%)
- Yellow (44%)
- Black (46%)





- Cyan (55%)
- Magenta (46%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1401, 0.3497, 0.4428 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 22.1401, 0.3497, 0.4428 by changing the saturation by 10% instead.


 22.1401, 0.3497,
0.4428


 22.1401, 0.3497,
0.4428

263.2770, 0.3309,
0.3771


 13.9599, 0.3538,
0.4626


 46.9774, 0.3431,
0.4165


 8.0928, 0.3583,
0.4901


 64.4034, 0.3405,
0.4074

 4.1544, 0.3620,
0.5305

 85.6800, 0.3383,
0.3999

 1.7603, 0.3774,
0.6226

 111.1916, 0.3364,
0.3938

 0.4622, 0.0000,
1.0000

 141.3228, 0.3347,
0.3886

 0.0000, 0.0000,
0.0000

176.4578, 0.3333,

0.3842

216.9811, 0.3320,
0.3804

■ 22.1401, 0.3497,
0.4428

■ 22.1401, 0.3497,
0.4428

■ 21.6468, 0.3561,
0.4692

■ 22.6932, 0.3421,
0.4156

■ 21.2074, 0.3608,
0.4937

■ 23.3057, 0.3337,
0.3886

■ 20.8199, 0.3635,
0.5151


■ 23.9811, 0.3249,
0.3626

■ 20.4807, 0.3639,
0.5325

■ 24.7215, 0.3160,
0.3379

■ 20.1854, 0.3620,
0.5452

■ 25.5292, 0.3074,
0.3150

 20.0162, 0.3603,
0.5521

 26.4062, 0.2990,
0.2939

 27.3544, 0.2911,
0.2747

 28.3756, 0.2836,
0.2573

 29.4717, 0.2767,
0.2416

Harmonies

Analogous

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



22.1401, 0.4032, 0.4279



22.1401, 0.3497, 0.4428



22.1401, 0.2891, 0.4184

Triad

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



22.1401, 0.3497, 0.4428



22.1401, 0.2036, 0.2538



22.1401, 0.3893, 0.2956

Complementary

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



22.1401, 0.3497, 0.4428



9.7154, 0.2608, 0.2075

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.



22.1401, 0.3277, 0.2584



22.1401, 0.3497, 0.4428



22.1401, 0.2240, 0.2337

Square

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



22.1401, 0.3497, 0.4428



22.1401, 0.2081, 0.2983



22.1401, 0.2673, 0.2362



22.1401, 0.4298, 0.3416

Rectangle

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



22.1401, 0.3497, 0.4428



22.1401, 0.2530, 0.3821



22.1401, 0.2673, 0.2362



22.1401, 0.3700, 0.2819

Sweetspot

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



22.1411, 0.3497, 0.4428



43.0032, 0.3244, 0.3613



14.5927, 0.4046, 0.3684



9.5901, 0.3262, 0.3663



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.



22.1411, 0.3497, 0.4428



38.7280, 0.3563, 0.4702



20.4091, 0.3156, 0.4560



5.7587, 0.3208, 0.3509



18.6490, 0.3605, 0.5520



0.1321, 0.3884, 0.5298

Inverse Universe

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



9.7154, 0.2608, 0.2075



13.3455, 0.2449, 0.1758



11.7059, 0.3041, 0.2214



4.9720, 0.3041, 0.3068



2.2749, 0.1795, 0.0763



0.0227, 0.2275, 0.1027

Previews

White Background



This preview shows how the Yxy color 22.1401, 0.3497, 0.4428 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 22.1401, 0.3497, 0.4428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

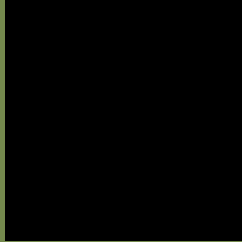
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1401, 0.3497, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 22.1401, 0.3497, 0.4428.



This preview shows how white text looks on a background with the Yxy color 22.1401, 0.3497, 0.4428.

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

22.1401, 0.3497, 0.4428

Protanopia

21.9457, 0.3905, 0.4234

Deuteranopia

21.8130, 0.4067, 0.3989



Tritanopia

22.1438, 0.2956, 0.3112

Trichromacy



Original Color

22.1401, 0.3497, 0.4428

Protanomaly

21.9971, 0.3758, 0.4306

Deuteranomaly

21.6656, 0.3846, 0.4143

Tritanomaly

22.1244, 0.3159, 0.3587

Monochromacy



Original Color

22.1401, 0.3497, 0.4428

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8270, 0.3273, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1401, 0.3497, 0.4428 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(116, 137, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 137, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.1401, 0.3497, 0.4428 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, 77) }
```

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

```
.border{ border-color:rgb(116, 137, 77) }
```

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, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 137, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 137, 77);  
box-shadow:4px 4px 4px 4px rgb(116, 137,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1401, 0.3497, 0.4428 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, 77) }
```

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

```
.background{ background-color: rgb(116,  
137, 77) }
```

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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