

Converting Colors

$Y_{xy}(22.4726, 0.3467, 0.4334)$

Have a look what the booklet for
Yxy(22.4726, 0.3467, 0.4334)
contains.

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Color

Yxy(22.3521, 0.3474, 0.4328)

Conversions

Conversions Part 1

Format	Color
Hex	768952
RGB	118, 137, 82
RGB Percent	46%, 54%, 32%
CMY	0.5372, 0.4627, 0.6784
CMYK	0.14, 0.00, 0.40, 0.46
HSL	81°, 25%, 43%
HSV	81°, 40%, 54%
XYZ	17.9416, 22.3521, 11.3516
YIQ	125.0490, 6.3310, -21.1330

Conversions

Conversions Part 2

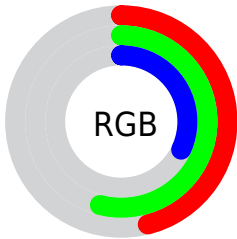
Format	Color
R_{YB}	82, 137, 101
Decimal	7768402
CIE Lab	54.40, -16.62, 27.25
CIE LCh	54, 31.916, 121.385
Yxy	22.3521, 0.3474, 0.4328
Android (android.graphics.Color)	4285958482 (0xFF768952)
YUV	125.0490, -21.2232, -6.1820
Hunter-Lab	47.2780, -14.9973, 18.8588

Details

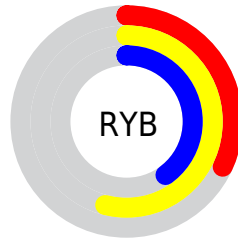
The Yxy color $22.3521, 0.3474, 0.4328$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.6070, 0.2657, 0.2185$, and the grayscale version is $20.5982, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.1508, 0.3412, 0.4087$, and $8.1667, 0.3563, 0.4774$ is the 20% darker color. If you saturate the color by 10%, you get $21.8420, 0.3544, 0.4595$, and if you desaturate by 10%, it is $22.9224, 0.3393, 0.4057$.

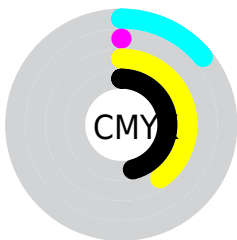
Distribution



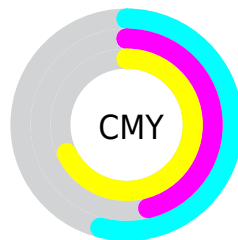
- Red (46%)
- Green (54%)
- Blue (32%)



- Red (32%)
- Yellow (54%)
- Blue (40%)



- Cyan (14%)
- Magenta (0%)
- Yellow (40%)
- Black (46%)





- Cyan (54%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3521, 0.3474, 0.4328 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 22.3521, 0.3474, 0.4328 by changing the saturation by 10% instead.


 22.3521, 0.3474,
0.4328


 22.3521, 0.3474,
0.4328


264.3795, 0.3295,
0.3730


 14.1158, 0.3516,
0.4508


 47.3273, 0.3410,
0.4089


 8.2013, 0.3563,
0.4760


 64.8349, 0.3385,
0.4006


 4.2240, 0.3609,
0.5130

 86.2019, 0.3364,
0.3938

 1.7996, 0.3875,
0.6125

 111.8125, 0.3347,
0.3882

 0.4870, 0.1049,
0.8951

 142.0512, 0.3331,
0.3835

 0.0000, 0.0000,
0.0000

177.3023, 0.3318,

0.3795

217.9503, 0.3306,
0.3760

■ 22.3521, 0.3474,
0.4328

■ 22.3521, 0.3474,
0.4328

■ 21.8420, 0.3544,
0.4595

■ 22.9224, 0.3393,
0.4057

■ 21.3865, 0.3599,
0.4847

■ 23.5525, 0.3307,
0.3790

■ 20.9835, 0.3634,
0.5073

■ 24.2457, 0.3217,
0.3534

■ 20.6296, 0.3648,
0.5261

■ 25.0042, 0.3128,
0.3293

■ 20.3210, 0.3638,
0.5405

■ 25.8301, 0.3042,
0.3071

■ 20.0504, 0.3612,
0.5514

■ 26.7255, 0.2959,
0.2866

■ 27.6921, 0.2881,
0.2681

■ 28.7319, 0.2808,
0.2513

■ 29.8465, 0.2740,
0.2362

Harmonies

Analogous

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



22.3521, 0.3964, 0.4203



22.3521, 0.3474, 0.4328



22.3521, 0.2915, 0.4102

Triad

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



22.3521, 0.3474, 0.4328



22.3521, 0.2117, 0.2601



22.3521, 0.3828, 0.2984

Complementary

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



22.3521, 0.3474, 0.4328



10.6070, 0.2657, 0.2185

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.



22.3521, 0.3266, 0.2636



22.3521, 0.3474, 0.4328



22.3521, 0.2307, 0.2409

Square

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



22.3521, 0.3474, 0.4328



22.3521, 0.2161, 0.3015



22.3521, 0.2711, 0.2431



22.3521, 0.4198, 0.3413

Rectangle

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



22.3521, 0.3474, 0.4328



22.3521, 0.2581, 0.3775



22.3521, 0.2711, 0.2431



22.3521, 0.3652, 0.2856

Sweetspot

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



22.3531, 0.3474, 0.4328



43.1471, 0.3236, 0.3587



15.1063, 0.3952, 0.3634



9.6472, 0.3246, 0.3614



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.



22.3531, 0.3474, 0.4328



39.2099, 0.3537, 0.4567



20.7331, 0.3167, 0.4436



5.7600, 0.3209, 0.3509



18.6839, 0.3614, 0.5513



0.1323, 0.3889, 0.5294

Inverse Universe

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



10.6070, 0.2657, 0.2185



15.1980, 0.2523, 0.1911



12.4174, 0.3037, 0.2298



4.9707, 0.3041, 0.3068



2.2579, 0.1787, 0.0758



0.0225, 0.2265, 0.1021

Previews

White Background



This preview shows how the Yxy color 22.3521, 0.3474, 0.4328 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 22.3521, 0.3474, 0.4328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

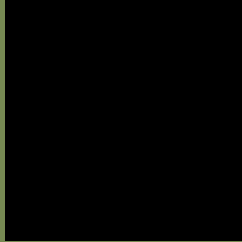
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3521, 0.3474, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 22.3521, 0.3474, 0.4328.



This preview shows how white text looks on a background with the Yxy color 22.3521, 0.3474, 0.4328.

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

22.3521, 0.3474, 0.4328

Protanopia

22.2806, 0.3845, 0.4169

Deuteranopia

22.1391, 0.4001, 0.3927



Tritanopia

22.2943, 0.2977, 0.3114

Trichromacy



Original Color

22.3521, 0.3474, 0.4328

Protanomaly

22.3408, 0.3700, 0.4237

Deuteranomaly

22.0914, 0.3797, 0.4071

Tritanomaly

22.3179, 0.3161, 0.3547

Monochromacy



Original Color

22.3521, 0.3474, 0.4328

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9422, 0.3263, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3521, 0.3474, 0.4328 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(118, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 82)  
}
```

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(118, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 82) }
```

Border

The CSS property to change the border of an element to Yxy 22.3521, 0.3474, 0.4328 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(118, 137, 82) }
```

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

```
.border{ border-color:rgb(118, 137, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 137, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3521, 0.3474, 0.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 82) }
```

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

```
.background{ background-color: rgb(118,  
137, 82) }
```

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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