

Converting Colors

$Y_{xy}(21.9778, 0.3118, 0.3536)$

Have a look what the booklet for
Yxy(21.9778, 0.3118, 0.3536)
contains.

Yxy(22.1000, 0.3126, 0.3550)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(22.1000, 0.3126, 0.3550)$

Conversions

Conversions Part 1

Format	Color
Hex	788577
RGB	120, 133, 119
RGB Percent	47%, 52%, 47%
CMY	0.5295, 0.4784, 0.5333
CMYK	0.10, 0.00, 0.11, 0.48
HSL	116°, 6%, 49%
HSV	116°, 11%, 52%
XYZ	19.4605, 22.1000, 20.6931
YIQ	127.5170, -3.2540, -7.1100

Conversions

Conversions Part 2

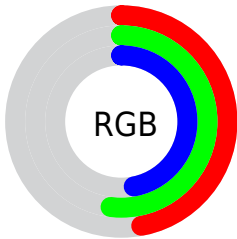
Format	Color
R_{YB}	119, 133, 132
Decimal	7898487
CIE _{Lab}	54.13, -7.60, 5.93
CIE _{LCh}	54, 9.641, 142.034
Yxy	22.1000, 0.3126, 0.3550
Android (android.graphics.Color)	4286088567 (0xFF788577)
YUV	127.5170, -4.1989, -6.5924
Hunter-Lab	47.0106, -8.3770, 6.8093

Details

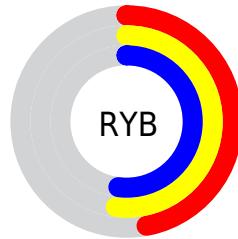
The Yxy color **22.1000, 0.3126, 0.3550** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.7962, 0.3127, 0.3041**, and the grayscale version is **21.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8287, 0.3126, 0.3492**, and **8.1352, 0.3110, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **20.9751, 0.3123, 0.3829**, and if you desaturate by 10%, it is **23.3859, 0.3127, 0.3302**.

Distribution



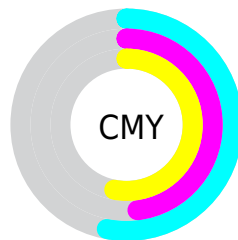
- Red (47%)
- Green (52%)
- Blue (47%)



- Red (47%)
- Yellow (52%)
- Blue (52%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1000, 0.3126, 0.3550 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 22.1000, 0.3126, 0.3550 by changing the saturation by 10% instead.

■ 22.1000, 0.3126,
0.3550

■ 22.1000, 0.3126,
0.3550

263.0681, 0.3128,
0.3402

■ 13.9304, 0.3125,
0.3595

■ 46.9112, 0.3127,
0.3491

■ 8.0723, 0.3123,
0.3658

■ 64.3216, 0.3127,
0.3470

■ 4.1412, 0.3119,
0.3756

■ 85.5811, 0.3127,
0.3454

■ 1.7529, 0.3110,
0.3921

111.0740, 0.3128,
0.3440

■ 0.4575, 0.3155,
0.5789

141.1848, 0.3128,
0.3428

■ 0.0000, 0.0000,
0.0000

176.2978, 0.3128,

0.3418

216.7974, 0.3128,
0.3409

■ 22.1000, 0.3126,
0.3550

■ 22.1000, 0.3126,
0.3550

■ 20.9751, 0.3123,
0.3829

■ 23.3859, 0.3127,
0.3302

■ 20.0022, 0.3118,
0.4136

■ 24.8358, 0.3127,
0.3085

■ 19.1756, 0.3110,
0.4465

■ 26.4562, 0.3126,
0.2895

■ 18.4883, 0.3099,
0.4805

■ 28.2525, 0.3124,
0.2731

■ 17.9325, 0.3086,
0.5138

■ 30.2296, 0.3122,
0.2589

■ 17.4998, 0.3069,
0.5440

■ 32.3926, 0.3119,
0.2465

■ 17.1808, 0.3051,
0.5690

■ 34.7460, 0.3117,
0.2359

■ 16.9647, 0.3032,
0.5868

■ 37.2943, 0.3114,
0.2266

■ 16.8373, 0.3022,
0.5983

■ 40.0420, 0.3111,
0.2186

Harmonies

Analogous

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



22.1000, 0.3296, 0.3595



22.1000, 0.3126, 0.3550



22.1000, 0.2960, 0.3429

Triad

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



22.1000, 0.3126, 0.3550



22.1000, 0.2837, 0.3025



22.1000, 0.3422, 0.3299

Complementary

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



22.1000, 0.3126, 0.3550



19.7962, 0.3127, 0.3041

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.



22.1000, 0.3293, 0.3156



22.1000, 0.3126, 0.3550



22.1000, 0.2955, 0.3000

Square

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



22.1000, 0.3126, 0.3550



22.1000, 0.2796, 0.3122



22.1000, 0.3121, 0.3048



22.1000, 0.3470, 0.3444

Rectangle

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



22.1000, 0.3126, 0.3550



22.1000, 0.2873, 0.3324



22.1000, 0.3121, 0.3048



22.1000, 0.3386, 0.3249

Sweetspot

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



22.1009, 0.3126, 0.3550



41.2617, 0.3127, 0.3362



22.7790, 0.3280, 0.3518



9.2566, 0.3127, 0.3380



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.1009, 0.3126, 0.3550



38.9870, 0.3125, 0.3624



22.1763, 0.3055, 0.3441



5.2191, 0.3126, 0.3513



16.0369, 0.3022, 0.5982



0.0565, 0.3123, 0.5902

Inverse Universe

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



19.7962, 0.3127, 0.3041



33.8720, 0.3126, 0.2975



19.7182, 0.3207, 0.3144



4.7468, 0.3127, 0.3075



5.6787, 0.3040, 0.1449



0.0209, 0.3130, 0.1498

Previews

White Background



This preview shows how the Yxy color 22.1000, 0.3126, 0.3550 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 22.1000, 0.3126, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

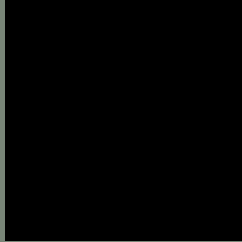
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

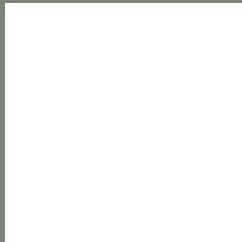
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1000, 0.3126, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 22.1000, 0.3126, 0.3550.



This preview shows how white text looks on a background with the Yxy color 22.1000, 0.3126, 0.3550.

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

22.1000, 0.3126, 0.3550

Protanopia

22.0532, 0.3320, 0.3504

Deuteranopia

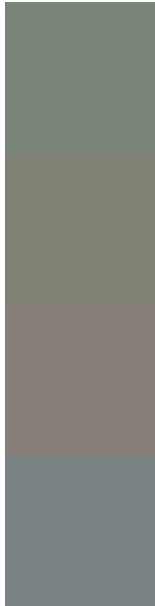
22.0674, 0.3419, 0.3359



Tritanopia

22.0697, 0.2945, 0.3112

Trichromacy



Original Color

22.1000, 0.3126, 0.3550

Protanomaly

21.9404, 0.3246, 0.3508

Deuteranomaly

22.0286, 0.3312, 0.3432

Tritanomaly

22.0361, 0.3015, 0.3272

Monochromacy



Original Color

22.1000, 0.3126, 0.3550

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8059, 0.3123, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1000, 0.3126, 0.3550 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(120, 133, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 133, 119)  
}
```

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(120, 133, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 133, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.1000, 0.3126, 0.3550 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(120, 133, 119) }
```

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

```
.border{ border-color:rgb(120, 133, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 133, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 133, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 133, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 133,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1000, 0.3126, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 133, 119) }
```

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

```
.background{ background-color: rgb(120,  
133, 119) }
```

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