

Converting Colors

$Y_{xy}(22.7130, 0.3054, 0.4858)$

Have a look what the booklet for
Yxy(22.7130, 0.3054, 0.4858)
contains.

Yxy(22.7130, 0.3054, 0.4858)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7130, 0.3054, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	489348
RGB	72, 147, 72
RGB Percent	28%, 58%, 28%
CMY	0.7174, 0.4235, 0.7176
CMYK	0.51, 0.00, 0.51, 0.42
HSL	120°, 34%, 43%
HSV	120°, 51%, 58%
XYZ	14.2786, 22.7130, 9.7622
YIQ	116.0250, -20.6250, -39.2250

Conversions

Conversions Part 2

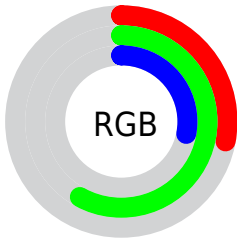
Format	Color
R_{YB}	72, 147, 147
Decimal	4756296
CIE _{Lab}	54.78, -39.27, 32.51
CIE _{LCh}	55, 50.981, 140.377
Yxy	22.7130, 0.3054, 0.4858
Android (android.graphics.Color)	4282946376 (0xFF489348)
YUV	116.0250, -21.7043, -38.6099
Hunter-Lab	47.6582, -29.9223, 21.2159

Details

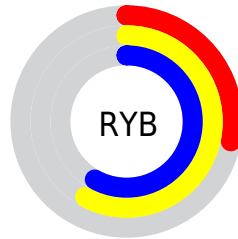
The Yxy color **22.7130, 0.3054, 0.4858** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.9395, 0.3182, 0.2100**, and the grayscale version is **17.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0818, 0.3099, 0.4483**, and **8.3020, 0.2925, 0.5573** is the 20% darker color. If you saturate the color by 10%, you get **22.0453, 0.3038, 0.5197**, and if you desaturate by 10%, it is **23.5634, 0.3070, 0.4508**.

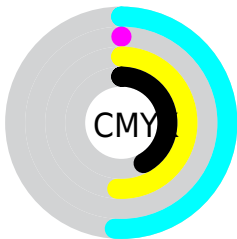
Distribution



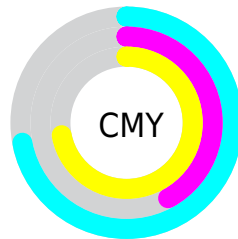
- Red (28%)
- Green (58%)
- Blue (28%)



- Red (28%)
- Yellow (58%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (42%)





- Cyan (72%)
- Magenta (42%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7130, 0.3054, 0.4858 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 22.7130, 0.3054, 0.4858 by changing the saturation by 10% instead.


 22.7130, 0.3054,
0.4858


 22.7130, 0.3054,
0.4858

266.2475, 0.3133,
0.3927

 14.3817, 0.3008,
0.5152


 47.9216, 0.3099,
0.4477


 8.3866, 0.2925,
0.5569


 65.5678, 0.3110,
0.4348


 4.3433, 0.2766,
0.6214

 87.0877, 0.3117,
0.4243

 1.8674, 0.2420,
0.7580

 112.8658, 0.3123,
0.4157

 0.5287, 0.0000,
1.0000

 143.2864, 0.3127,
0.4085

 0.0000, 0.0000,
0.0000

178.7340, 0.3129,

0.4024

219.5928, 0.3131,
0.3972

■ 22.7130, 0.3054,
0.4858

■ 22.7130, 0.3054,
0.4858

■ 22.0453, 0.3038,
0.5197

■ 23.5634, 0.3070,
0.4508

■ 21.5444, 0.3024,
0.5500

■ 24.6055, 0.3086,
0.4169

■ 21.1964, 0.3012,
0.5742

■ 25.8509, 0.3101,
0.3852

■ 20.9838, 0.3005,
0.5905

■ 27.3098, 0.3114,
0.3567

■ 20.8670, 0.3000,
0.6000

■ 28.9915, 0.3126,
0.3314

■ 30.9047, 0.3136,
0.3094

■ 33.0577, 0.3145,
0.2903

■ 35.4585, 0.3153,
0.2739

■ 38.1146, 0.3159,
0.2598

Harmonies

Analogous

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



22.7130, 0.3894, 0.4904



22.7130, 0.3054, 0.4858



22.7130, 0.2279, 0.4115

Triad

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



22.7130, 0.3054, 0.4858



22.7130, 0.1768, 0.2025



22.7130, 0.4669, 0.3174

Complementary

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



22.7130, 0.3054, 0.4858



12.9395, 0.3182, 0.2100

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.



22.7130, 0.3916, 0.2607



22.7130, 0.3054, 0.4858



22.7130, 0.2225, 0.1976

Square

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



22.7130, 0.3054, 0.4858



22.7130, 0.1617, 0.2385



22.7130, 0.2985, 0.2184



22.7130, 0.4902, 0.3806

Rectangle

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



22.7130, 0.3054, 0.4858



22.7130, 0.1907, 0.3439



22.7130, 0.2985, 0.2184



22.7130, 0.4464, 0.2975

Sweetspot

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



22.7140, 0.3054, 0.4858



47.7418, 0.3109, 0.3685



27.1504, 0.3860, 0.4471



10.7846, 0.3106, 0.3740



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.7140, 0.3054, 0.4858



39.3555, 0.3036, 0.5237



23.3322, 0.2772, 0.4087



6.4686, 0.3117, 0.3518



18.0916, 0.3000, 0.6000



0.2215, 0.3001, 0.5999

Inverse Universe

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



12.9395, 0.3182, 0.2100



19.8478, 0.3192, 0.1894



11.9798, 0.3777, 0.2630



5.9090, 0.3137, 0.3072



7.1963, 0.3208, 0.1541



0.0881, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 22.7130, 0.3054, 0.4858 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 22.7130, 0.3054, 0.4858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

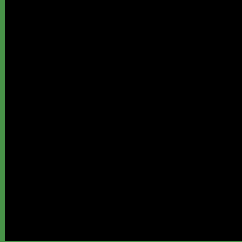
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7130, 0.3054, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 22.7130, 0.3054, 0.4858.



This preview shows how white text looks on a background with the Yxy color 22.7130, 0.3054, 0.4858.

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

22.7130, 0.3054, 0.4858

Protanopia

22.2879, 0.4003, 0.4359

Deuteranopia

22.2345, 0.4108, 0.4026



Tritanopia

22.7911, 0.2551, 0.3084

Trichromacy



Original Color

22.7130, 0.3054, 0.4858

Protanomaly

21.8772, 0.3610, 0.4560

Deuteranomaly

21.5364, 0.3671, 0.4318

Tritanomaly

22.5901, 0.2736, 0.3689

Monochromacy



Original Color

22.7130, 0.3054, 0.4858

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.8082, 0.3101, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7130, 0.3054, 0.4858 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(72, 147, 72)` looks like.

```
.text, #text, p{  
    color:rgb(72, 147, 72)  
}
```

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(72, 147, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 147, 72) }
```

Border

The CSS property to change the border of an element to Yxy 22.7130, 0.3054, 0.4858 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(72, 147, 72) }
```

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

```
.border{ border-color:rgb(72, 147, 72) }
```

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

Here you see how a box with a 4 pixel rgb(72, 147, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 147, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 147, 72);  
box-shadow:4px 4px 4px 4px rgb(72, 147,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7130, 0.3054, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 147, 72) }
```

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

```
.background{ background-color: rgb(72, 147,  
72) }
```

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