

Converting Colors

$Y_{xy}(22.4053, 0.3054, 0.4846)$

Have a look what the booklet for
Yxy(22.4053, 0.3054, 0.4846)
contains.

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Color

Yxy(22.4034, 0.3054, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	489248
RGB	72, 146, 72
RGB Percent	28%, 57%, 28%
CMY	0.7178, 0.4274, 0.7177
CMYK	0.51, 0.00, 0.51, 0.43
HSL	120°, 34%, 43%
HSV	120°, 51%, 57%
XYZ	14.1189, 22.4034, 9.7084
YIQ	115.4380, -20.3500, -38.7020

Conversions

Conversions Part 2

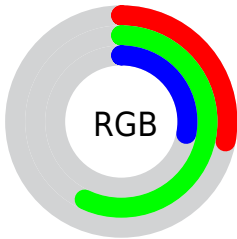
Format	Color
RYB	72, 146, 146
Decimal	4756040
CIELab	54.45, -38.87, 32.12
CIELCh	54, 50.424, 140.432
Yxy	22.4034, 0.3054, 0.4846
Android (android.graphics.Color)	4282946120 (0xFF489248)
YUV	115.4380, -21.4149, -38.0951
Hunter-Lab	47.3322, -29.5862, 20.9714

Details

The Yxy color **22.4034, 0.3054, 0.4846** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8172, 0.3183, 0.2107**, and the grayscale version is **17.3532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6140, 0.3099, 0.4472**, and **8.3084, 0.2930, 0.5570** is the 20% darker color. If you saturate the color by 10%, you get **21.7402, 0.3038, 0.5186**, and if you desaturate by 10%, it is **23.2470, 0.3070, 0.4497**.

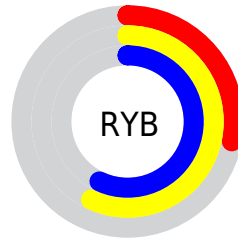
Distribution



Red (28%)

Green (57%)

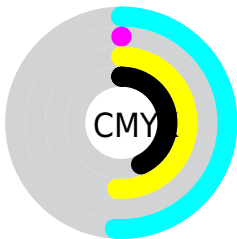
Blue (28%)



Red (28%)

Yellow (57%)

Blue (28%)

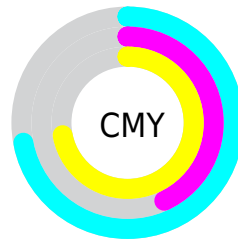


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (43%)



Cyan (72%)

Magenta (43%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4034, 0.3054, 0.4846 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 22.4034, 0.3054, 0.4846 by changing the saturation by 10% instead.


 22.4034, 0.3054,
0.4846


 22.4034, 0.3054,
0.4846


264.6457, 0.3132,
0.3920


 14.1536, 0.3008,
0.5139


 47.4118, 0.3098,
0.4467


 8.2276, 0.2925,
0.5556


 64.9393, 0.3109,
0.4338

 4.2409, 0.2768,
0.6205

 86.3280, 0.3117,
0.4234

 1.8092, 0.2402,
0.7598

 111.9625, 0.3122,
0.4149

 0.4929, 0.0000,
1.0000

 142.2272, 0.3126,
0.4078

 0.0000, 0.0000,
0.0000

177.5063, 0.3129,

0.4017

218.1844, 0.3131,
0.3965

■ 22.4034, 0.3054,
0.4846

■ 22.4034, 0.3054,
0.4846

■ 21.7402, 0.3038,
0.5186

■ 23.2470, 0.3070,
0.4497

■ 21.2416, 0.3024,
0.5490

■ 24.2798, 0.3086,
0.4158

■ 20.8942, 0.3012,
0.5735

■ 25.5132, 0.3101,
0.3842

■ 20.6807, 0.3005,
0.5900

■ 26.9571, 0.3115,
0.3558

■ 20.5603, 0.3000,
0.6000

■ 28.6208, 0.3126,
0.3307

■ 30.5127, 0.3137,
0.3087

■ 32.6412, 0.3146,
0.2898

■ 35.0139, 0.3153,
0.2735

■ 37.6383, 0.3160,
0.2595

Harmonies

Analogous

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



22.4034, 0.3889, 0.4895



22.4034, 0.3054, 0.4846



22.4034, 0.2283, 0.4108

Triad

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



22.4034, 0.3054, 0.4846



22.4034, 0.1776, 0.2032



22.4034, 0.4660, 0.3177

Complementary

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



22.4034, 0.3054, 0.4846



12.8172, 0.3183, 0.2107

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.



22.4034, 0.3913, 0.2612



22.4034, 0.3054, 0.4846



22.4034, 0.2232, 0.1983

Square

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



22.4034, 0.3054, 0.4846



22.4034, 0.1624, 0.2390



22.4034, 0.2988, 0.2190



22.4034, 0.4891, 0.3806

Rectangle

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



22.4034, 0.3054, 0.4846



22.4034, 0.1913, 0.3436



22.4034, 0.2988, 0.2190



22.4034, 0.4456, 0.2978

Sweetspot

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



22.4043, 0.3054, 0.4846



46.3328, 0.3109, 0.3685



27.1393, 0.3847, 0.4480



10.2020, 0.3106, 0.3738



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.4043, 0.3054, 0.4846



38.1953, 0.3036, 0.5235



23.0405, 0.2764, 0.4054



6.4685, 0.3116, 0.3518



18.0911, 0.3000, 0.6000



0.2214, 0.3000, 0.5999

Inverse Universe

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



12.8172, 0.3183, 0.2107



19.2837, 0.3193, 0.1896



11.8461, 0.3793, 0.2654



5.9092, 0.3137, 0.3072



7.2030, 0.3210, 0.1542



0.0882, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.4034, 0.3054, 0.4846 looks on a white background.

Color Contrast Check

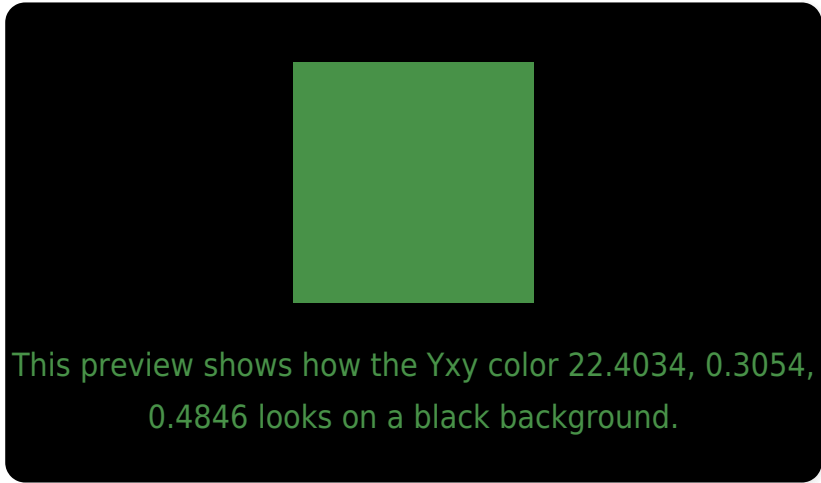
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 22.4034, 0.3054, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 22.4034, 0.3054, 0.4846.



This preview shows how white text looks on a background with the Yxy color 22.4034, 0.3054, 0.4846.

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

22.4034, 0.3054, 0.4846

Protanopia

22.1983, 0.3990, 0.4364

Deuteranopia

22.1335, 0.4095, 0.4030



Tritanopia

22.4707, 0.2556, 0.3083

Trichromacy



Original Color

22.4034, 0.3054, 0.4846

Protanomaly

21.8076, 0.3598, 0.4566

Deuteranomaly

21.4600, 0.3658, 0.4323

Tritanomaly

22.2692, 0.2742, 0.3691

Monochromacy



Original Color

22.4034, 0.3054, 0.4846

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.4752, 0.3101, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4034, 0.3054, 0.4846 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, 146, 72)` looks like.

```
.text, #text, p{  
    color:rgb(72, 146, 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, 146, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 146, 72) }
```

Border

The CSS property to change the border of an element to Yxy 22.4034, 0.3054, 0.4846 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, 146, 72) }
```

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

```
.border{ border-color:rgb(72, 146, 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, 146, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 146, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 146, 72);  
box-shadow:4px 4px 4px 4px rgb(72, 146,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4034, 0.3054, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 146, 72) }
```

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

```
.background{ background-color: rgb(72, 146,  
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](#).

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