

Converting Colors

$Y_{xy}(28.2319, 0.2693, 0.4239)$

Have a look what the booklet for
Yxy(28.2319, 0.2693, 0.4239)
contains.

Yxy(28.3699, 0.2694, 0.4246)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.3699, 0.2694, 0.4246)$

Conversions

Conversions Part 1

Format	Color
Hex	3CA372
RGB	60, 163, 114
RGB Percent	24%, 64%, 45%
CMY	0.7645, 0.3608, 0.5530
CMYK	0.63, 0.00, 0.30, 0.36
HSL	151°, 46%, 44%
HSV	151°, 63%, 64%
XYZ	18.0001, 28.3699, 20.4456
YIQ	126.6170, -45.6590, -37.0750

Conversions

Conversions Part 2

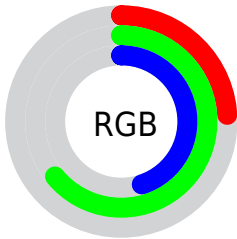
Format	Color
RYB	60, 128, 163
Decimal	3974002
CIELab	60.22, -41.41, 16.89
CIELCh	60, 44.720, 157.811
Yxy	28.3699, 0.2694, 0.4246
Android (android.graphics.Color)	4282164082 (0xFF3CA372)
YUV	126.6170, -6.2202, -58.4231
Hunter-Lab	53.2634, -32.8877, 14.5255

Details

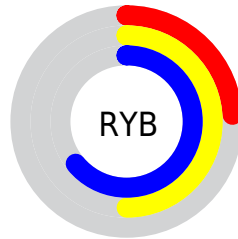
The Yxy color **28.3699, 0.2694, 0.4246** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.1293, 0.4110, 0.2558**, and the grayscale version is **21.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2678, 0.2795, 0.4033**, and **11.5452, 0.2609, 0.4592** is the 20% darker color. If you saturate the color by 10%, you get **27.7695, 0.2670, 0.4430**, and if you desaturate by 10%, it is **29.1440, 0.2735, 0.4066**.

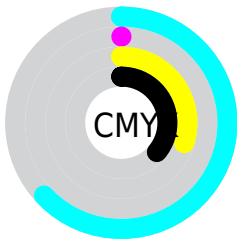
Distribution



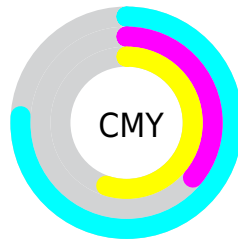
- Red (24%)
- Green (64%)
- Blue (45%)



- Red (24%)
- Yellow (50%)
- Blue (64%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (36%)





- Cyan (76%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3699, 0.2694, 0.4246 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 28.3699, 0.2694, 0.4246 by changing the saturation by 10% instead.


 28.3699, 0.2694,
0.4246


 28.3699, 0.2694,
0.4246


294.2302, 0.2942,
0.3700

 18.6047, 0.2619,
0.4410


 57.0745, 0.2793,
0.4029

 11.3850, 0.2514,
0.4641


 76.7826, 0.2827,
0.3953


 6.3264, 0.2356,
0.4987


 100.5738, 0.2855,
0.3891

 3.0446, 0.2095,
0.5556

 128.8326, 0.2878,
0.3840

 1.1550, 0.0509,
0.9087

 161.9432, 0.2898,
0.3797

 0.0245, 0.0000,
1.0000

200.2900, 0.2915,

 0.0000, 0.0000,

0.3760

0.0000

244.2576, 0.2929,
0.3728

■ 28.3699, 0.2694,
0.4246

■ 28.3699, 0.2694,
0.4246

■ 27.7695, 0.2670,
0.4430

■ 29.1440, 0.2735,
0.4066

■ 27.3240, 0.2666,
0.4613

■ 30.1017, 0.2791,
0.3894

■ 27.0165, 0.2680,
0.4792

■ 31.2562, 0.2858,
0.3733

■ 26.8562, 0.2697,
0.4910

■ 32.6183, 0.2934,
0.3584

■ 34.1983, 0.3016,
0.3448

■ 36.0056, 0.3100,
0.3326

■ 38.0489, 0.3186,
0.3217

■ 40.3368, 0.3271,
0.3120

■ 42.8773, 0.3354,
0.3034

Harmonies

Analogous

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



28.3699, 0.3392, 0.4635



28.3699, 0.2694, 0.4246



28.3699, 0.2150, 0.3493

Triad

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



28.3699, 0.2694, 0.4246



28.3699, 0.2180, 0.2170



28.3699, 0.4561, 0.3532

Complementary

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



28.3699, 0.2694, 0.4246



12.1293, 0.4110, 0.2558

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.



28.3699, 0.4167, 0.3000



28.3699, 0.2694, 0.4246



28.3699, 0.2727, 0.2256

Square

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



28.3699, 0.2694, 0.4246



28.3699, 0.1892, 0.2332



28.3699, 0.3460, 0.2550



28.3699, 0.4501, 0.4074

Rectangle

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



28.3699, 0.2694, 0.4246



28.3699, 0.1936, 0.2993



28.3699, 0.3460, 0.2550



28.3699, 0.4478, 0.3350

Sweetspot

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



28.3710, 0.2694, 0.4246



59.4475, 0.2965, 0.3531



29.8235, 0.3438, 0.5045



13.1842, 0.2943, 0.3569



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.3710, 0.2694, 0.4246



49.3623, 0.2666, 0.4508



29.1953, 0.2373, 0.3257



7.9541, 0.3048, 0.3399



20.8820, 0.2693, 0.4895



0.4483, 0.2514, 0.4251

Inverse Universe

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



12.1293, 0.4110, 0.2558



17.8367, 0.4464, 0.2482



11.5337, 0.5075, 0.3320



7.1395, 0.3214, 0.3183



6.4836, 0.5019, 0.2539



0.1458, 0.4215, 0.2096

Previews

White Background



This preview shows how the Yxy color 28.3699, 0.2694, 0.4246 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 28.3699, 0.2694, 0.4246 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 28.3699, 0.2694, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 28.3699, 0.2694, 0.4246.



This preview shows how white text looks on a background with the Yxy color 28.3699, 0.2694, 0.4246.

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

28.3699, 0.2694, 0.4246

Protanopia

27.9350, 0.3649, 0.3915

Deuteranopia

28.0126, 0.3660, 0.3597



Tritanopia

28.3038, 0.2411, 0.3063

Trichromacy



Original Color

28.3699, 0.2694, 0.4246

Protanomaly

27.2090, 0.3210, 0.4059

Deuteranomaly

27.0534, 0.3215, 0.3831

Tritanomaly

28.3439, 0.2510, 0.3471

Monochromacy



Original Color

28.3699, 0.2694, 0.4246

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.0449, 0.2915, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3699, 0.2694, 0.4246 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(60, 163, 114)` looks like.

```
.text, #text, p{  
    color:rgb(60, 163, 114)  
}
```

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(60, 163, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 163, 114) }
```

Border

The CSS property to change the border of an element to Yxy 28.3699, 0.2694, 0.4246 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(60, 163, 114) }
```

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

```
.border{ border-color:rgb(60, 163, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 163, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 163, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 163, 114);  
box-shadow:4px 4px 4px 4px rgb(60, 163,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3699, 0.2694, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 163, 114) }
```

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

```
.background{ background-color: rgb(60, 163,  
114) }
```

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