

Converting Colors

$Y_{xy}(29.2494, 0.3442, 0.4192)$

Have a look what the booklet for
Yxy(29.2494, 0.3442, 0.4192)
contains.

Yxy(29.2655, 0.3444, 0.4198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2655, 0.3444, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	889A64
RGB	136, 154, 100
RGB Percent	53%, 60%, 39%
CMY	0.4667, 0.3961, 0.6079
CMYK	0.12, 0.00, 0.35, 0.40
HSL	80°, 21%, 50%
HSV	80°, 35%, 60%
XYZ	24.0091, 29.2655, 16.4383
YIQ	142.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

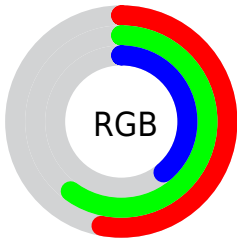
Format	Color
R_{YB}	100, 154, 118
Decimal	8952420
CIE _{Lab}	61.02, -15.89, 26.29
CIE _{LCh}	61, 30.720, 121.154
Yxy	29.2655, 0.3444, 0.4198
Android (android.graphics.Color)	4287142500 (0xFF889A64)
YUV	142.4620, -20.9338, -5.6672
Hunter-Lab	54.0976, -15.4504, 19.8522

Details

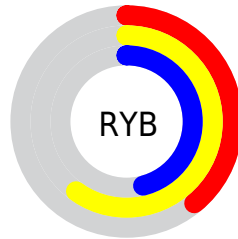
The Yxy color $29.2655, 0.3444, 0.4198$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.2979, 0.2717, 0.2327$, and the grayscale version is $27.3261, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.2933, 0.3391, 0.4004$, and $11.8797, 0.3524, 0.4543$ is the 20% darker color. If you saturate the color by 10%, you get $28.5767, 0.3522, 0.4470$, and if you desaturate by 10%, it is $30.0339, 0.3357, 0.3926$.

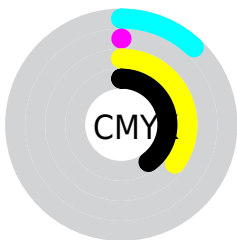
Distribution



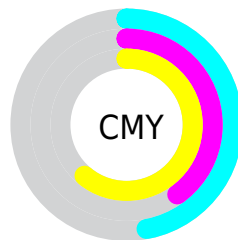
- Red (53%)
- Green (60%)
- Blue (39%)



- Red (39%)
- Yellow (60%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)





- Cyan (47%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2655, 0.3444, 0.4198 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 29.2655, 0.3444, 0.4198 by changing the saturation by 10% instead.

 29.2655, 0.3444,
0.4198


 29.2655, 0.3444,
0.4198


298.4656, 0.3285,
0.3696

 19.2818, 0.3481,
0.4340


 58.4986, 0.3387,
0.4003

 11.8740, 0.3526,
0.4534


 78.5168, 0.3366,
0.3934

 6.6580, 0.3577,
0.4808


 102.6487, 0.3347,
0.3876

 3.2491, 0.3637,
0.5242

 131.2785, 0.3331,
0.3829

 1.2631, 0.3791,
0.6209

164.7907, 0.3317,
0.3788

 0.1124, 0.0000,
1.0000

203.5697, 0.3305,

 0.0000, 0.0000,

0.3753

0.0000

247.9998, 0.3295,
0.3722

■ 29.2655, 0.3444,
0.4198

■ 29.2655, 0.3444,
0.4198

■ 28.5767, 0.3522,
0.4470

■ 30.0339, 0.3357,
0.3926

■ 27.9600, 0.3587,
0.4731

■ 30.8811, 0.3266,
0.3662

■ 27.4131, 0.3634,
0.4970

■ 31.8116, 0.3173,
0.3411


■ 26.9316, 0.3660,
0.5175


■ 32.8280, 0.3083,
0.3177

■ 26.5108, 0.3661,
0.5338

■ 33.9332, 0.2995,
0.2961


 26.1446, 0.3640,
0.5454

 35.1295, 0.2913,
0.2765

 25.9766, 0.3625,
0.5503

 36.4196, 0.2835,
0.2587

 37.8057, 0.2762,
0.2426

 39.2901, 0.2696,
0.2282

Harmonies

Analogous

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



29.2655, 0.3874, 0.4099



29.2655, 0.3444, 0.4198



29.2655, 0.2949, 0.3998

Triad

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



29.2655, 0.3444, 0.4198



29.2655, 0.2226, 0.2686



29.2655, 0.3741, 0.3018

Complementary

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



29.2655, 0.3444, 0.4198



15.2979, 0.2717, 0.2327

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.



29.2655, 0.3249, 0.2705



29.2655, 0.3444, 0.4198



29.2655, 0.2396, 0.2507

Square

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



29.2655, 0.3444, 0.4198



29.2655, 0.2269, 0.3058



29.2655, 0.2758, 0.2522



29.2655, 0.4067, 0.3404

Rectangle

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



29.2655, 0.3444, 0.4198



29.2655, 0.2650, 0.3718



29.2655, 0.2758, 0.2522



29.2655, 0.3587, 0.2903

Sweetspot

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



29.2668, 0.3444, 0.4198



56.7277, 0.3230, 0.3563



20.5357, 0.3833, 0.3578



12.7930, 0.3242, 0.3595



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.2668, 0.3444, 0.4198



52.1767, 0.3506, 0.4410



27.3407, 0.3174, 0.4280



7.1197, 0.3212, 0.3513



21.1828, 0.3630, 0.5500



0.3364, 0.3890, 0.5294

Inverse Universe

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



15.2979, 0.2717, 0.2327



22.9474, 0.2601, 0.2086



17.3851, 0.3040, 0.2412



6.1214, 0.3037, 0.3064



2.4992, 0.1765, 0.0746



0.0558, 0.2232, 0.1003

Previews

White Background



This preview shows how the Yxy color 29.2655, 0.3444, 0.4198 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 29.2655, 0.3444, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

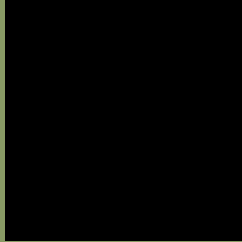
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2655, 0.3444, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 29.2655, 0.3444, 0.4198.



This preview shows how white text looks on a background with the Yxy color 29.2655, 0.3444, 0.4198.

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

29.2655, 0.3444, 0.4198

Protanopia

29.2041, 0.3772, 0.4067

Deuteranopia

29.1430, 0.3918, 0.3850



Tritanopia

29.2654, 0.2994, 0.3117

Trichromacy



Original Color

29.2655, 0.3444, 0.4198

Protanomaly

29.2738, 0.3645, 0.4124

Deuteranomaly

29.0941, 0.3739, 0.3974

Tritanomaly

29.2816, 0.3158, 0.3502

Monochromacy



Original Color

29.2655, 0.3444, 0.4198

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6655, 0.3250, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2655, 0.3444, 0.4198 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(136, 154, 100)` looks like.

```
.text, #text, p{  
    color:rgb(136, 154, 100)  
}
```

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(136, 154, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 154, 100) }
```

Border

The CSS property to change the border of an element to Yxy 29.2655, 0.3444, 0.4198 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(136, 154, 100) }
```

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

```
.border{ border-color:rgb(136, 154, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 154, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 154, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 154, 100);  
box-shadow:4px 4px 4px 4px rgb(136, 154,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2655, 0.3444, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 154, 100) }
```

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

```
.background{ background-color: rgb(136,  
154, 100) }
```

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