

Converting Colors

$Y_{xy}(28.7936, 0.3415, 0.4312)$

Have a look what the booklet for
Yxy(28.7936, 0.3415, 0.4312)
contains.

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Color

Yxy(28.9360, 0.3410, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	819B5F
RGB	129, 155, 95
RGB Percent	51%, 61%, 37%
CMY	0.4941, 0.3921, 0.6275
CMYK	0.17, 0.00, 0.39, 0.39
HSL	86°, 24%, 49%
HSV	86°, 39%, 61%
XYZ	22.8407, 28.9360, 15.2048
YIQ	140.3860, 3.7640, -24.1720

Conversions

Conversions Part 2

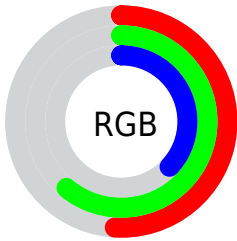
Format	Color
RYB	95, 155, 121
Decimal	8493919
CIELab	60.73, -19.85, 28.52
CIElCh	61, 34.753, 124.842
Yxy	28.9360, 0.3410, 0.4320
Android (android.graphics.Color)	4286683999 (0xFF819B5F)
YUV	140.3860, -22.3753, -9.9855
Hunter-Lab	53.7922, -18.3435, 20.8957

Details

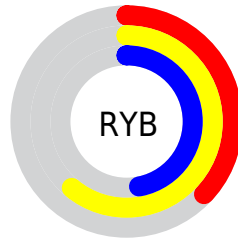
The Yxy color **28.9360, 0.3410, 0.4320** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6127, 0.2736, 0.2235**, and the grayscale version is **26.4721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2358, 0.3366, 0.4104**, and **11.7256, 0.3466, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **28.1743, 0.3467, 0.4603**, and if you desaturate by 10%, it is **29.7909, 0.3343, 0.4036**.

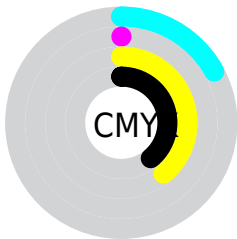
Distribution



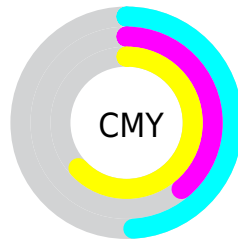
- Red (51%)
- Green (61%)
- Blue (37%)



- Red (37%)
- Yellow (61%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (39%)
- Black (39%)



- Cyan (49%)
- Magenta (39%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9360, 0.3410, 0.4320 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 28.9360, 0.3410, 0.4320 by changing the saturation by 10% instead.

 28.9360, 0.3410,
0.4320


 28.9360, 0.3410,
0.4320


296.9129, 0.3273,
0.3746

 19.0324, 0.3439,
0.4484


 57.9754, 0.3363,
0.4096


 11.6937, 0.3471,
0.4708


 77.8800, 0.3345,
0.4017

 6.5355, 0.3499,
0.5026


 101.8870, 0.3328,
0.3951

 3.1733, 0.3543,
0.5572

 130.3809, 0.3314,
0.3897

 1.2229, 0.3449,
0.6551

163.7460, 0.3302,
0.3850

 0.0803, 0.0000,
1.0000

202.3668, 0.3291,

 0.0000, 0.0000,

0.3811

0.0000

246.6276, 0.3282,
0.3776

■ 28.9360, 0.3410,
0.4320

■ 28.9360, 0.3410,
0.4320

■ 28.1743, 0.3467,
0.4603

■ 29.7909, 0.3343,
0.4036

■ 27.4979, 0.3509,
0.4875

■ 30.7389, 0.3270,
0.3762

■ 26.9037, 0.3533,
0.5122


■ 31.7847, 0.3194,
0.3502

■ 26.3870, 0.3535,
0.5332


■ 32.9316, 0.3117,
0.3260

■ 25.9420, 0.3514,
0.5494

■ 34.1827, 0.3043,
0.3039

 25.5582, 0.3475,
0.5612

 35.5409, 0.2972,
0.2838

 25.5116, 0.3470,
0.5627

 37.0091, 0.2905,
0.2657

 38.5900, 0.2842,
0.2494

 40.2861, 0.2784,
0.2349

Harmonies

Analogous

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



28.9360, 0.3915, 0.4231



28.9360, 0.3410, 0.4320



28.9360, 0.2854, 0.4053

Triad

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



28.9360, 0.3410, 0.4320



28.9360, 0.2128, 0.2568



28.9360, 0.3884, 0.3031

Complementary

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



28.9360, 0.3410, 0.4320



14.6127, 0.2736, 0.2235

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.



28.9360, 0.3334, 0.2671



28.9360, 0.3410, 0.4320



28.9360, 0.2344, 0.2402

Square

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



28.9360, 0.3410, 0.4320



28.9360, 0.2144, 0.2957



28.9360, 0.2769, 0.2446



28.9360, 0.4220, 0.3464

Rectangle

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



28.9360, 0.3410, 0.4320



28.9360, 0.2531, 0.3710



28.9360, 0.2769, 0.2446



28.9360, 0.3715, 0.2899

Sweetspot

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



28.9373, 0.3410, 0.4320



56.2425, 0.3220, 0.3591



21.2264, 0.3894, 0.3706



12.6795, 0.3229, 0.3622



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.



28.9373, 0.3410, 0.4320



50.6926, 0.3458, 0.4552



26.9782, 0.3119, 0.4419



7.0896, 0.3197, 0.3514



20.5133, 0.3476, 0.5622



0.3281, 0.3787, 0.5375

Inverse Universe

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



14.6127, 0.2736, 0.2235



21.5112, 0.2629, 0.1990



17.0332, 0.3106, 0.2342



6.1506, 0.3052, 0.3065



2.8849, 0.1922, 0.0832



0.0641, 0.2410, 0.1101

Previews

White Background



This preview shows how the Yxy color 28.9360, 0.3410, 0.4320 looks on a white background.

Color Contrast Check

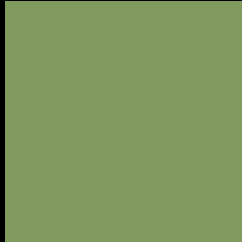
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9360, 0.3410, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

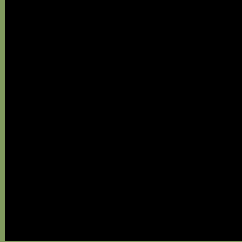
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9360, 0.3410, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 28.9360, 0.3410, 0.4320.



This preview shows how white text looks on a background with the Yxy color 28.9360, 0.3410, 0.4320.

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

28.9360, 0.3410, 0.4320

Protanopia

28.7014, 0.3815, 0.4131

Deuteranopia

28.7520, 0.3977, 0.3908



Tritanopia

28.7739, 0.2926, 0.3098

Trichromacy



Original Color

28.9360, 0.3410, 0.4320

Protanomaly

28.5811, 0.3663, 0.4198

Deuteranomaly

28.3830, 0.3760, 0.4045

Tritanomaly

28.7412, 0.3106, 0.3523

Monochromacy



Original Color

28.9360, 0.3410, 0.4320

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.9403, 0.3238, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9360, 0.3410, 0.4320 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(129, 155, 95)` looks like.

```
.text, #text, p{  
    color:rgb(129, 155, 95)  
}
```

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(129, 155, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 155, 95) }
```

Border

The CSS property to change the border of an element to Yxy 28.9360, 0.3410, 0.4320 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(129, 155, 95) }
```

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

```
.border{ border-color:rgb(129, 155, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 155, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 155, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 155, 95);  
box-shadow:4px 4px 4px 4px rgb(129, 155,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9360, 0.3410, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 155, 95) }
```

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

```
.background{ background-color: rgb(129,  
155, 95) }
```

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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