

Converting Colors

$Y_{xy}(28.6229, 0.3416, 0.4122)$

Have a look what the booklet for
Yxy(28.6229, 0.3416, 0.4122)
contains.

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Color

Yxy(28.5866, 0.3413, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	879867
RGB	135, 152, 103
RGB Percent	53%, 60%, 40%
CMY	0.4705, 0.4039, 0.5962
CMYK	0.11, 0.00, 0.32, 0.40
HSL	81°, 19%, 50%
HSV	81°, 32%, 60%
XYZ	23.6696, 28.5866, 17.0951
YIQ	141.3310, 5.5970, -18.8430

Conversions

Conversions Part 2

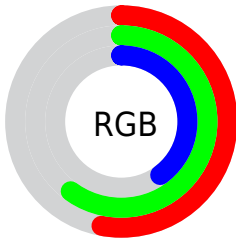
Format	Color
RYB	103, 152, 120
Decimal	8886375
CIELab	60.42, -14.80, 23.86
CIElCh	60, 28.075, 121.820
Yxy	28.5866, 0.3413, 0.4122
Android (android.graphics.Color)	4287076455 (0xFF879867)
YUV	141.3310, -18.8972, -5.5523
Hunter-Lab	53.4664, -14.5443, 18.4694

Details

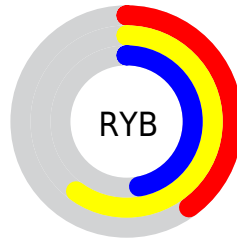
The Yxy color $28.5866, 0.3413, 0.4122$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.9521, 0.2765, 0.2416$, and the grayscale version is $26.8479, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.3280, 0.3359, 0.3932$, and $11.4680, 0.3485, 0.4441$ is the 20% darker color. If you saturate the color by 10%, you get $27.8840, 0.3492, 0.4396$, and if you desaturate by 10%, it is $29.3688, 0.3327, 0.3851$.

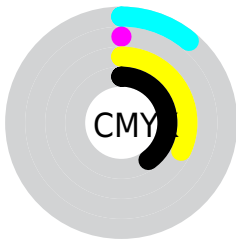
Distribution



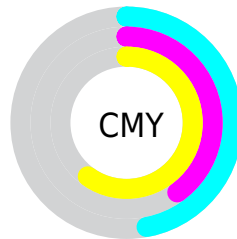
- Red (53%)
- Green (60%)
- Blue (40%)



- Red (40%)
- Yellow (60%)
- Blue (47%)



- Cyan (11%)
- Magenta (0%)
- Yellow (32%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5866, 0.3413, 0.4122 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 28.5866, 0.3413, 0.4122 by changing the saturation by 10% instead.


 28.5866, 0.3413,
0.4122


 28.5866, 0.3413,
0.4122


295.2594, 0.3268,
0.3660

 18.7683, 0.3448,
0.4254


 57.4196, 0.3361,
0.3942


 11.5030, 0.3491,
0.4434


 77.2032, 0.3341,
0.3878

 6.4062, 0.3541,
0.4692


 101.0772, 0.3324,
0.3826

 3.0936, 0.3598,
0.5096

 129.4262, 0.3310,
0.3782

 1.1808, 0.3835,
0.6165

162.6345, 0.3297,
0.3745

 0.0459, 0.0000,
1.0000

201.0866, 0.3286,

 0.0000, 0.0000,

0.3713

0.0000

245.1667, 0.3277,
0.3685

■ 28.5866, 0.3413,
0.4122

■ 28.5866, 0.3413,
0.4122

■ 27.8840, 0.3492,
0.4396

■ 29.3688, 0.3327,
0.3851

■ 27.2538, 0.3559,
0.4663

■ 30.2300, 0.3237,
0.3590

■ 26.6938, 0.3609,
0.4912


■ 31.1742, 0.3147,
0.3343


■ 26.2000, 0.3639,
0.5130

■ 32.2042, 0.3059,
0.3114


■ 25.7678, 0.3646,
0.5309


■ 33.3226, 0.2975,
0.2905

 25.3920, 0.3629,
0.5440

 34.5318, 0.2895,
0.2714

 25.1294, 0.3605,
0.5520

 35.8342, 0.2821,
0.2542

 37.2321, 0.2751,
0.2387

 38.7276, 0.2687,
0.2247

Harmonies

Analogous

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



28.5866, 0.3811, 0.4043



28.5866, 0.3413, 0.4122



28.5866, 0.2956, 0.3931

Triad

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



28.5866, 0.3413, 0.4122



28.5866, 0.2293, 0.2728



28.5866, 0.3702, 0.3047

Complementary

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



28.5866, 0.3413, 0.4122



15.9521, 0.2765, 0.2416

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.



28.5866, 0.3251, 0.2753



28.5866, 0.3413, 0.4122



28.5866, 0.2456, 0.2563

Square

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



28.5866, 0.3413, 0.4122



28.5866, 0.2329, 0.3070



28.5866, 0.2796, 0.2578



28.5866, 0.3996, 0.3409

Rectangle

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



28.5866, 0.3413, 0.4122



28.5866, 0.2680, 0.3673



28.5866, 0.2796, 0.2578



28.5866, 0.3561, 0.2939

Sweetspot

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



28.5879, 0.3413, 0.4122



53.6902, 0.3219, 0.3538



20.9232, 0.3756, 0.3567



12.1557, 0.3230, 0.3570



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.5879, 0.3413, 0.4122



49.5158, 0.3473, 0.4328



26.8241, 0.3163, 0.4191



7.1158, 0.3210, 0.3513



21.0882, 0.3609, 0.5516



0.3353, 0.3877, 0.5304

Inverse Universe

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



15.9521, 0.2765, 0.2416



23.5178, 0.2658, 0.2186



17.8763, 0.3060, 0.2488



6.1251, 0.3039, 0.3064



2.5431, 0.1784, 0.0756



0.0569, 0.2256, 0.1016

Previews

White Background



This preview shows how the Yxy color 28.5866, 0.3413, 0.4122 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 28.5866, 0.3413, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

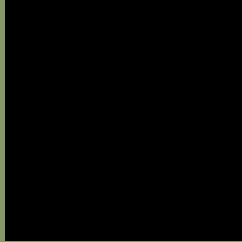
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5866, 0.3413, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 28.5866, 0.3413, 0.4122.



This preview shows how white text looks on a background with the Yxy color 28.5866, 0.3413, 0.4122.

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

28.5866, 0.3413, 0.4122

Protanopia

28.3390, 0.3719, 0.4002

Deuteranopia

28.2765, 0.3862, 0.3785



Tritanopia

28.4359, 0.2983, 0.3099

Trichromacy



Original Color

28.5866, 0.3413, 0.4122

Protanomaly

28.5090, 0.3602, 0.4054

Deuteranomaly

28.3374, 0.3695, 0.3904

Tritanomaly

28.4749, 0.3139, 0.3471

Monochromacy



Original Color

28.5866, 0.3413, 0.4122

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2721, 0.3241, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5866, 0.3413, 0.4122 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(135, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(135, 152, 103)  
}
```

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(135, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 152, 103) }
```

Border

The CSS property to change the border of an element to Yxy 28.5866, 0.3413, 0.4122 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(135, 152, 103) }
```

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

```
.border{ border-color:rgb(135, 152, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(135, 152,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5866, 0.3413, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 152, 103) }
```

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

```
.background{ background-color: rgb(135,  
152, 103) }
```

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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