

Converting Colors

$Y_{xy}(28.0174, 0.3064, 0.4250)$

Have a look what the booklet for
Yxy(28.0174, 0.3064, 0.4250)
contains.

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Color

Yxy(28.0174, 0.3064, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	679D69
RGB	103, 157, 105
RGB Percent	40%, 62%, 41%
CMY	0.5961, 0.3843, 0.5882
CMYK	0.34, 0.00, 0.33, 0.38
HSL	122°, 22%, 51%
HSV	122°, 34%, 62%
XYZ	20.1989, 28.0174, 17.7070
YIQ	134.9260, -15.4920, -27.6200

Conversions

Conversions Part 2

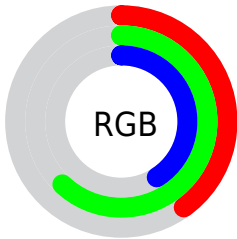
Format	Color
RYB	103, 155, 157
Decimal	6790505
CIELab	59.90, -28.80, 21.70
CIElCh	60, 36.059, 142.996
Yxy	28.0174, 0.3064, 0.4250
Android (android.graphics.Color)	4284980585 (0xFF679D69)
YUV	134.9260, -14.7535, -27.9991
Hunter-Lab	52.9315, -24.5136, 17.2179

Details

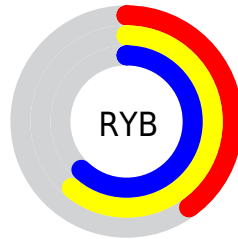
The Yxy color $28.0174, 0.3064, 0.4250$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.2328, 0.3191, 0.2487$, and the grayscale version is $24.2590, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.5892, 0.3085, 0.4029$, and $11.1554, 0.3017, 0.4637$ is the 20% darker color. If you saturate the color by 10%, you get $26.8921, 0.3045, 0.4586$, and if you desaturate by 10%, it is $29.3746, 0.3083, 0.3935$.

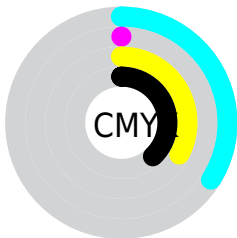
Distribution



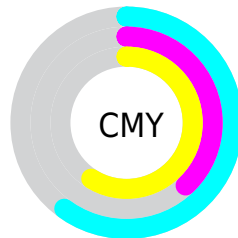
- Red (40%)
- Green (62%)
- Blue (41%)



- Red (40%)
- Yellow (61%)
- Blue (62%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)
- Black (38%)





- Cyan (60%)
- Magenta (38%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0174, 0.3064, 0.4250 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 28.0174, 0.3064, 0.4250 by changing the saturation by 10% instead.


 28.0174, 0.3064,
0.4250


 28.0174, 0.3064,
0.4250


292.5500, 0.3112,
0.3704


 18.3388, 0.3043,
0.4413

 56.5122, 0.3087,
0.4033


 11.1935, 0.3010,
0.4640


 76.0972, 0.3094,
0.3958

 6.1971, 0.2951,
0.4977

 99.7531, 0.3099,
0.3896

 2.9653, 0.2832,
0.5525

 127.8643, 0.3103,
0.3845

 1.1137, 0.2335,
0.7665

160.8152, 0.3106,
0.3802

 0.0000, 0.0000,
0.0000

198.9902, 0.3109,

0.3764

242.7737, 0.3111,
0.3732

■ 28.0174, 0.3064,
0.4250

■ 28.0174, 0.3064,
0.4250

■ 26.8921, 0.3045,
0.4586

■ 29.3746, 0.3083,
0.3935

■ 25.9826, 0.3027,
0.4927

■ 30.9719, 0.3102,
0.3648

■ 25.2759, 0.3012,
0.5254


■ 32.8215, 0.3120,
0.3392


■ 24.7567, 0.3001,
0.5542

■ 34.9336, 0.3136,
0.3169


■ 24.4069, 0.2995,
0.5768


■ 37.3178, 0.3151,
0.2975


 24.2052, 0.2994,
0.5917

 39.9835, 0.3164,
0.2807

 24.1288, 0.2992,
0.5971

 42.9393, 0.3176,
0.2663

 46.1936, 0.3186,
0.2539

 49.7545, 0.3195,
0.2433

Harmonies

Analogous

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



28.0174, 0.3644, 0.4375



28.0174, 0.3064, 0.4250



28.0174, 0.2530, 0.3768

Triad

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



28.0174, 0.3064, 0.4250



28.0174, 0.2193, 0.2403



28.0174, 0.4173, 0.3285

Complementary

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



28.0174, 0.3064, 0.4250



19.2328, 0.3191, 0.2487

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.



28.0174, 0.3708, 0.2857



28.0174, 0.3064, 0.4250



28.0174, 0.2554, 0.2368

Square

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



28.0174, 0.3064, 0.4250



28.0174, 0.2062, 0.2666



28.0174, 0.3100, 0.2532



28.0174, 0.4318, 0.3747

Rectangle

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



28.0174, 0.3064, 0.4250



28.0174, 0.2268, 0.3356



28.0174, 0.3100, 0.2532



28.0174, 0.4047, 0.3135

Sweetspot

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



28.0186, 0.3064, 0.4250



56.8025, 0.3110, 0.3536



32.0838, 0.3612, 0.4130



12.4063, 0.3107, 0.3570



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.



28.0186, 0.3064, 0.4250



48.6466, 0.3050, 0.4497



28.6591, 0.2846, 0.3741



7.4049, 0.3111, 0.3512



19.5966, 0.2991, 0.5968



0.3514, 0.2948, 0.5814

Inverse Universe

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



19.2328, 0.3191, 0.2487



30.5687, 0.3205, 0.2322



18.4301, 0.3544, 0.2882



6.7503, 0.3143, 0.3078



7.6418, 0.3302, 0.1593



0.1378, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 28.0174, 0.3064, 0.4250 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 28.0174, 0.3064, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

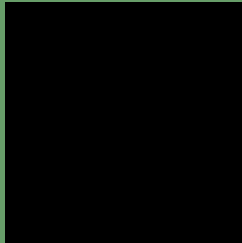
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0174, 0.3064, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 28.0174, 0.3064, 0.4250.



This preview shows how white text looks on a background with the Yxy color 28.0174, 0.3064, 0.4250.

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

28.0174, 0.3064, 0.4250

Protanopia

27.8159, 0.3711, 0.4009

Deuteranopia

27.7161, 0.3799, 0.3732



Tritanopia

27.9987, 0.2688, 0.3088

Trichromacy



Original Color

28.0174, 0.3064, 0.4250

Protanomaly

27.6687, 0.3452, 0.4108

Deuteranomaly

27.3532, 0.3499, 0.3906

Tritanomaly

28.0205, 0.2826, 0.3500

Monochromacy



Original Color

28.0174, 0.3064, 0.4250

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3111, 0.3101, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0174, 0.3064, 0.4250 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(103, 157, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 157, 105)  
}
```

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(103, 157, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 157, 105) }
```

Border

The CSS property to change the border of an element to Yxy 28.0174, 0.3064, 0.4250 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(103, 157, 105) }
```

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

```
.border{ border-color:rgb(103, 157, 105) }
```

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

Here you see how a box with a 4 pixel rgb(103, 157, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 157, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 157, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 157,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0174, 0.3064, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 157, 105) }
```

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

```
.background{ background-color: rgb(103,  
157, 105) }
```

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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