

Converting Colors

$Y_{xy}(12.4830, 0.3170, 0.3030)$

Have a look what the booklet for
Yxy(12.4830, 0.3170, 0.3030)
contains.

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Color

Yxy(12.4972, 0.3169, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	6D5F6B
RGB	109, 95, 107
RGB Percent	43%, 37%, 42%
CMY	0.5726, 0.6274, 0.5803
CMYK	0.00, 0.13, 0.02, 0.57
HSL	308°, 7%, 40%
HSV	308°, 13%, 43%
XYZ	13.0533, 12.4972, 15.6400
YIQ	100.5540, 4.4920, 6.7000

Conversions

Conversions Part 2

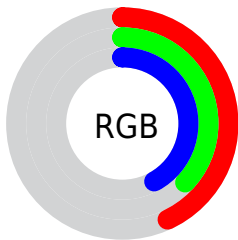
Format	Color
R _Y B	109, 95, 107
Decimal	7167851
CIE Lab	42.00, 7.99, -4.75
CIE LCh	42, 9.291, 329.255
Yxy	12.4972, 0.3169, 0.3034
Android (android.graphics.Color)	4285357931 (0xFF6D5F6B)
YUV	100.5540, 3.1779, 7.4071
Hunter-Lab	35.3514, 4.0451, -1.4849

Details

The Yxy color **12.4972, 0.3169, 0.3034** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2322, 0.3088, 0.3560**, and the grayscale version is **12.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2965, 0.3167, 0.3096**, and **3.5150, 0.3171, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **10.6374, 0.3206, 0.2828**, and if you desaturate by 10%, it is **14.6334, 0.3136, 0.3235**.

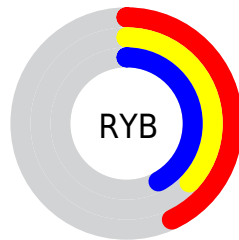
Distribution



Red (43%)

Green (37%)

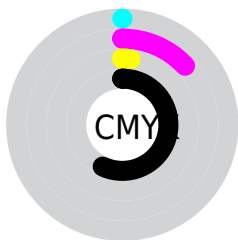
Blue (42%)



Red (43%)

Yellow (37%)

Blue (42%)

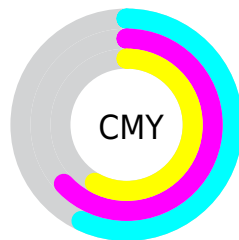


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (57%)



Cyan (57%)

Magenta (63%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4972, 0.3169, 0.3034 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 12.4972, 0.3169, 0.3034 by changing the saturation by 10% instead.

■ 12.4972, 0.3169,
0.3034

■ 12.4972, 0.3169,
0.3034

207.6697, 0.3145,
0.3187

■ 7.0832, 0.3177,
0.2983

■ 30.3975, 0.3159,
0.3098

■ 3.5142, 0.3188,
0.2907

■ 43.6526, 0.3156,
0.3119

■ 1.4057, 0.3204,
0.2782

■ 60.2902, 0.3153,
0.3136

■ 0.2209, 0.3379,
0.1843

■ 80.6947, 0.3151,
0.3150

■ 0.0000, 0.0000,
0.0000

105.2505, 0.3149,
0.3162

134.3420, 0.3147,

0.3172

168.3536, 0.3146,
0.3180

■ 12.4972, 0.3169,
0.3034

■ 12.4972, 0.3169,
0.3034

■ 10.6374, 0.3206,
0.2828

■ 14.6334, 0.3136,
0.3235

■ 9.0411, 0.3248,
0.2622

■ 17.0552, 0.3107,
0.3426

■ 7.6967, 0.3294,
0.2423

■ 19.7732, 0.3082,
0.3607

■ 6.5911, 0.3342,
0.2236

■ 22.7969, 0.3060,
0.3776

■ 5.7100, 0.3393,
0.2072

■ 26.1357, 0.3041,
0.3933

■ 5.0376, 0.3445,
0.1938

■ 29.7982, 0.3025,
0.4077

■ 4.5561, 0.3496,
0.1840

■ 33.7930, 0.3012,
0.4208

■ 4.2415, 0.3545,
0.1781

■ 38.1283, 0.3000,
0.4329

■ 4.0523, 0.3581,
0.1746

■ 42.8117, 0.2991,
0.4439

Harmonies

Analogous

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



12.4972, 0.2969, 0.2960



12.4972, 0.3169, 0.3034



12.4972, 0.3363, 0.3171

Triad

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



12.4972, 0.3169, 0.3034



12.4972, 0.3443, 0.3617



12.4972, 0.2773, 0.3221

Complementary

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



12.4972, 0.3169, 0.3034



14.2322, 0.3088, 0.3560

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.



12.4972, 0.2892, 0.3409



12.4972, 0.3169, 0.3034



12.4972, 0.3278, 0.3644

Square

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



12.4972, 0.3169, 0.3034



12.4972, 0.3524, 0.3504



12.4972, 0.3076, 0.3567



12.4972, 0.2745, 0.3060

Rectangle

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



12.4972, 0.3169, 0.3034



12.4972, 0.3461, 0.3283



12.4972, 0.3076, 0.3567



12.4972, 0.2803, 0.3283

Sweetspot

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



12.4977, 0.3169, 0.3034



25.6910, 0.3140, 0.3209



11.8229, 0.2963, 0.2977



5.9221, 0.3142, 0.3197



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.4977, 0.3169, 0.3034



21.4760, 0.3178, 0.2981



12.3584, 0.3269, 0.3179



3.1569, 0.3156, 0.3113



4.7374, 0.3584, 0.1748



24.0426, 0.3609, 0.1762

Inverse Universe

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



12.4977, 0.3169, 0.3034



21.4760, 0.3178, 0.2981



14.3663, 0.3004, 0.3403



3.1569, 0.3156, 0.3113



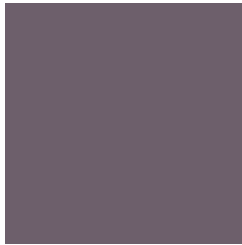
4.7374, 0.3584, 0.1748



24.0426, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 12.4972, 0.3169, 0.3034 looks on a white 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

Black Background



This preview shows how the Yxy color 12.4972, 0.3169, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

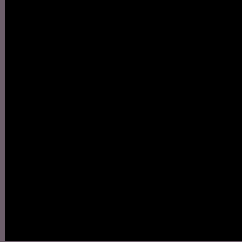
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4972, 0.3169, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 12.4972, 0.3169, 0.3034.



This preview shows how white text looks on a background with the Yxy color 12.4972, 0.3169, 0.3034.

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

12.4972, 0.3169, 0.3034

Protanopia

12.4362, 0.2980, 0.3046

Deuteranopia

12.4305, 0.3108, 0.3052



Tritanopia

12.5332, 0.3210, 0.3139

Trichromacy



Original Color

12.4972, 0.3169, 0.3034

Protanomaly

12.4569, 0.3050, 0.3049

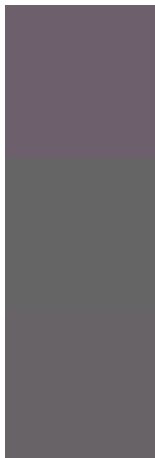
Deuteranomaly

12.4915, 0.3123, 0.3053

Tritanomaly

12.5534, 0.3196, 0.3118

Monochromacy



Original Color

12.4972, 0.3169, 0.3034

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8460, 0.3146, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4972, 0.3169, 0.3034 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(109, 95, 107)` looks like.

```
.text, #text, p{  
    color:rgb(109, 95, 107)  
}
```

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(109, 95, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 95, 107) }
```

Border

The CSS property to change the border of an element to Yxy 12.4972, 0.3169, 0.3034 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(109, 95, 107) }
```

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

```
.border{ border-color:rgb(109, 95, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 95, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 95, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 95, 107);  
box-shadow:4px 4px 4px 4px rgb(109, 95,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4972, 0.3169, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 95, 107) }
```

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

```
.background{ background-color: rgb(109, 95,  
107) }
```

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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