

Converting Colors

$Y_{xy}(12.9836, 0.3035, 0.3790)$

Have a look what the booklet for
Yxy(12.9836, 0.3035, 0.3790)
contains.

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Color

Yxy(12.9528, 0.3024, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	516B57
RGB	81, 107, 87
RGB Percent	32%, 42%, 34%
CMY	0.6824, 0.5804, 0.6588
CMYK	0.24, 0.00, 0.19, 0.58
HSL	134°, 14%, 37%
HSV	134°, 24%, 42%
XYZ	10.3705, 12.9528, 10.9706
YIQ	96.9460, -9.0760, -11.7320

Conversions

Conversions Part 2

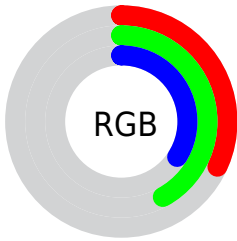
Format	Color
R _Y B	81, 102, 107
Decimal	5335895
CIE Lab	42.69, -14.06, 8.13
CIE LCh	43, 16.241, 149.969
Yxy	12.9528, 0.3024, 0.3777
Android (android.graphics.Color)	4283525975 (0xFF516B57)
YUV	96.9460, -4.9034, -13.9846
Hunter-Lab	35.9900, -11.5480, 7.1200

Details

The Yxy color **12.9528, 0.3024, 0.3777** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9484, 0.3250, 0.2848**, and the grayscale version is **11.9537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0852, 0.3054, 0.3637**, and **3.7562, 0.2946, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **12.3905, 0.2984, 0.4015**, and if you desaturate by 10%, it is **13.6061, 0.3066, 0.3561**.

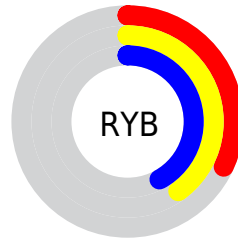
Distribution



Red (32%)

Green (42%)

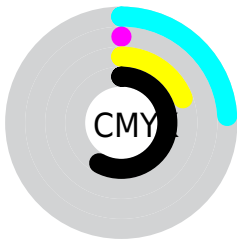
Blue (34%)



Red (32%)

Yellow (40%)

Blue (42%)

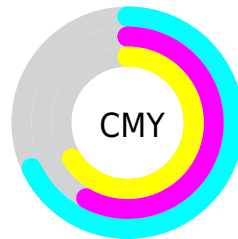


Cyan (24%)

Magenta (0%)

Yellow (19%)

Black (58%)



Cyan (68%)

Magenta (58%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9528, 0.3024, 0.3777 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 12.9528, 0.3024, 0.3777 by changing the saturation by 10% instead.

■ 12.9528, 0.3024,
0.3777

■ 12.9528, 0.3024,
0.3777

■ 210.6150, 0.3090,
0.3475

■ 7.3961, 0.2999,
0.3885

■ 31.2190, 0.3053,
0.3647

■ 3.7110, 0.2958,
0.4053

■ 44.6972, 0.3062,
0.3605

■ 1.5132, 0.2881,
0.4353

■ 61.5846, 0.3070,
0.3572

■ 0.2980, 0.0000,
1.0000

■ 82.2658, 0.3075,
0.3545

■ 0.0000, 0.0000,
0.0000

■ 107.1250, 0.3080,
0.3523

136.5467, 0.3084,

0.3504

170.9152, 0.3087,
0.3489

■ 12.9528, 0.3024,
0.3777

■ 12.9528, 0.3024,
0.3777

■ 12.3905, 0.2984,
0.4015

■ 13.6061, 0.3066,
0.3561

■ 11.9134, 0.2948,
0.4272

■ 14.3524, 0.3109,
0.3367

■ 11.5179, 0.2918,
0.4543

■ 15.1958, 0.3151,
0.3195

■ 11.1993, 0.2897,
0.4819

■ 16.1397, 0.3192,
0.3044

■ 10.9523, 0.2887,
0.5088

■ 17.1872, 0.3230,
0.2911

■ 10.7713, 0.2889,
0.5339

■ 18.3413, 0.3267,
0.2795

■ 10.6465, 0.2903,
0.5557

■ 19.6051, 0.3302,
0.2694

■ 10.5855, 0.2908,
0.5667

■ 20.9813, 0.3334,
0.2606

■ 22.4725, 0.3364,
0.2529

Harmonies

Analogous

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



12.9528, 0.3371, 0.3911



12.9528, 0.3024, 0.3777



12.9528, 0.2716, 0.3487

Triad

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



12.9528, 0.3024, 0.3777



12.9528, 0.2602, 0.2738



12.9528, 0.3770, 0.3372

Complementary

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



12.9528, 0.3024, 0.3777



9.9484, 0.3250, 0.2848

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.



12.9528, 0.3541, 0.3092



12.9528, 0.3024, 0.3777



12.9528, 0.2860, 0.2737

Square

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



12.9528, 0.3024, 0.3777



12.9528, 0.2483, 0.2881



12.9528, 0.3203, 0.2865



12.9528, 0.3814, 0.3649

Rectangle

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



12.9528, 0.3024, 0.3777



12.9528, 0.2572, 0.3261



12.9528, 0.3203, 0.2865



12.9528, 0.3712, 0.3276

Sweetspot

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



12.9533, 0.3024, 0.3777



25.2947, 0.3097, 0.3420



13.8983, 0.3387, 0.3874



6.1103, 0.3095, 0.3427



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.



12.9533, 0.3024, 0.3777



22.6183, 0.3002, 0.3906



13.1782, 0.2874, 0.3464



3.4552, 0.3089, 0.3454



12.8723, 0.2912, 0.5683



65.4752, 0.2936, 0.5769

Inverse Universe

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



9.9484, 0.3250, 0.2848



16.2652, 0.3284, 0.2745



9.7196, 0.3465, 0.3123



3.1525, 0.3168, 0.3131



4.5440, 0.3865, 0.1903



23.0162, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 12.9528, 0.3024, 0.3777 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 12.9528, 0.3024, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

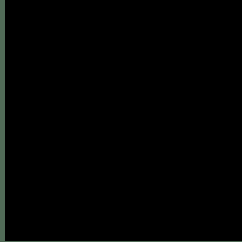
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9528, 0.3024, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 12.9528, 0.3024, 0.3777.



This preview shows how white text looks on a background with the Yxy color 12.9528, 0.3024, 0.3777.

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

12.9528, 0.3024, 0.3777

Protanopia

12.8186, 0.3443, 0.3647

Deuteranopia

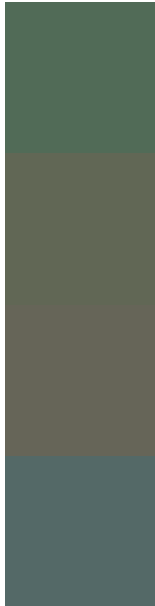
12.8481, 0.3508, 0.3462



Tritanopia

13.0489, 0.2789, 0.3107

Trichromacy



Original Color

12.9528, 0.3024, 0.3777

Protanomaly

12.8978, 0.3282, 0.3706

Deuteranomaly

12.8367, 0.3321, 0.3584

Tritanomaly

12.9672, 0.2870, 0.3336

Monochromacy



Original Color

12.9528, 0.3024, 0.3777

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.3218, 0.3089, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9528, 0.3024, 0.3777 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(81, 107, 87)` looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 87)  
}
```

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(81, 107, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 87) }
```

Border

The CSS property to change the border of an element to Yxy 12.9528, 0.3024, 0.3777 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(81, 107, 87) }
```

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

```
.border{ border-color:rgb(81, 107, 87) }
```

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

Here you see how a box with a 4 pixel rgb(81, 107, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 87);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9528, 0.3024, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 87) }
```

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

```
.background{ background-color: rgb(81, 107,  
87) }
```

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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