

Converting Colors

$Y_{xy}(12.2611, 0.3120, 0.3734)$

Have a look what the booklet for
Yxy(12.2611, 0.3120, 0.3734)
contains.

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Color

Yxy(12.3348, 0.3121, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	566755
RGB	86, 103, 85
RGB Percent	34%, 40%, 33%
CMY	0.6627, 0.5961, 0.6666
CMYK	0.16, 0.00, 0.17, 0.60
HSL	117°, 10%, 37%
HSV	117°, 17%, 40%
XYZ	10.3292, 12.3348, 10.4318
YIQ	95.8650, -4.3540, -9.2020

Conversions

Conversions Part 2

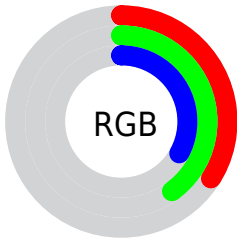
Format	Color
R_{YB}	85, 103, 102
Decimal	5662549
CIE _{Lab}	41.74, -10.29, 8.04
CIE _{LCh}	42, 13.059, 141.989
Yxy	12.3348, 0.3121, 0.3727
Android (android.graphics.Color)	4283852629 (0xFF566755)
YUV	95.8650, -5.3564, -8.6516
Hunter-Lab	35.1209, -8.9641, 6.9740

Details

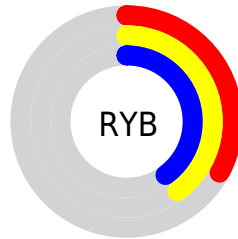
The Yxy color **12.3348, 0.3121, 0.3727** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.3009, 0.3130, 0.2885**, and the grayscale version is **11.6780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0947, 0.3122, 0.3603**, and **3.4327, 0.3095, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **11.7528, 0.3115, 0.4017**, and if you desaturate by 10%, it is **13.0044, 0.3125, 0.3466**.

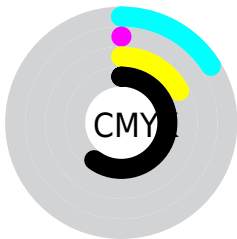
Distribution



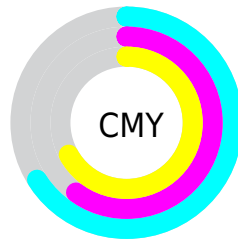
- Red (34%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (40%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (60%)




- Cyan (66%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3348, 0.3121, 0.3727 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 12.3348, 0.3121, 0.3727 by changing the saturation by 10% instead.

 12.3348, 0.3121,
0.3727


 12.3348, 0.3121,
0.3727


206.6093, 0.3128,
0.3455


 6.9721, 0.3117,
0.3824


 30.1034, 0.3125,
0.3610


 3.4447, 0.3107,
0.3977

 43.2782, 0.3126,
0.3572


 1.3681, 0.3089,
0.4256

 59.8257, 0.3126,
0.3543

 0.1930, 0.0000,
1.0000

 80.1304, 0.3127,
0.3518

 0.0000, 0.0000,
0.0000

 104.5768, 0.3127,
0.3499

133.5491, 0.3127,

0.3482

167.4318, 0.3127,
0.3468

■ 12.3348, 0.3121,
0.3727

■ 12.3348, 0.3121,
0.3727

■ 11.7528, 0.3115,
0.4017

■ 13.0044, 0.3125,
0.3466

■ 11.2534, 0.3107,
0.4331

■ 13.7634, 0.3128,
0.3234

■ 10.8332, 0.3096,
0.4660

■ 14.6156, 0.3129,
0.3031

■ 10.4881, 0.3084,
0.4991

■ 15.5638, 0.3130,
0.2853

■ 10.2139, 0.3068,
0.5303

■ 16.6109, 0.3129,
0.2699

■ 10.0054, 0.3052,
0.5575

■ 17.7598, 0.3129,
0.2565

■ 9.8573, 0.3035,
0.5786

■ 19.0130, 0.3128,
0.2449

■ 9.7590, 0.3025,
0.5942

■ 20.3732, 0.3127,
0.2348

■ 9.7374, 0.3024,
0.5981

■ 21.8427, 0.3125,
0.2260

Harmonies

Analogous

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



12.3348, 0.3401, 0.3797



12.3348, 0.3121, 0.3727



12.3348, 0.2852, 0.3521

Triad

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



12.3348, 0.3121, 0.3727



12.3348, 0.2656, 0.2857



12.3348, 0.3615, 0.3298

Complementary

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



12.3348, 0.3121, 0.3727



10.3009, 0.3130, 0.2885

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.



12.3348, 0.3398, 0.3071



12.3348, 0.3121, 0.3727



12.3348, 0.2843, 0.2822

Square

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



12.3348, 0.3121, 0.3727



12.3348, 0.2591, 0.3009



12.3348, 0.3113, 0.2900



12.3348, 0.3694, 0.3533

Rectangle

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



12.3348, 0.3121, 0.3727



12.3348, 0.2712, 0.3342



12.3348, 0.3113, 0.2900



12.3348, 0.3555, 0.3219

Sweetspot

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



12.3353, 0.3121, 0.3727



23.5881, 0.3126, 0.3409



13.0024, 0.3376, 0.3669



5.7384, 0.3126, 0.3422



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.3353, 0.3121, 0.3727



21.6378, 0.3119, 0.3844



12.4183, 0.3007, 0.3535



3.1493, 0.3125, 0.3502



12.2463, 0.3021, 0.5983



63.7439, 0.3009, 0.5993

Inverse Universe

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



10.3009, 0.3130, 0.2885



17.2521, 0.3130, 0.2786



10.2112, 0.3269, 0.3057



2.8816, 0.3129, 0.3086



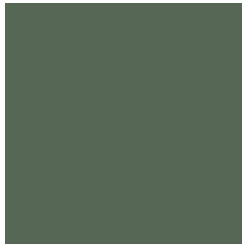
4.4377, 0.3074, 0.1467



23.0163, 0.3066, 0.1463

Previews

White Background



This preview shows how the Yxy color 12.3348, 0.3121, 0.3727 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 12.3348, 0.3121, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

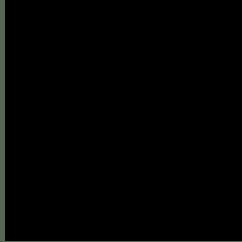
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3348, 0.3121, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 12.3348, 0.3121, 0.3727.



This preview shows how white text looks on a background with the Yxy color 12.3348, 0.3121, 0.3727.

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

12.3348, 0.3121, 0.3727

Protanopia

12.3030, 0.3434, 0.3631

Deuteranopia

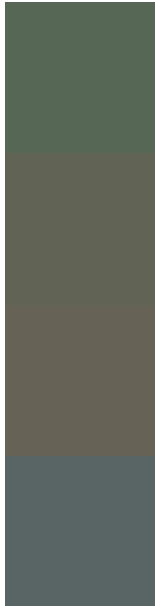
12.3173, 0.3515, 0.3465



Tritanopia

12.3707, 0.2883, 0.3107

Trichromacy



Original Color

12.3348, 0.3121, 0.3727

Protanomaly

12.2958, 0.3304, 0.3664

Deuteranomaly

12.2908, 0.3375, 0.3563

Tritanomaly

12.3513, 0.2970, 0.3313

Monochromacy



Original Color

12.3348, 0.3121, 0.3727

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.9717, 0.3119, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3348, 0.3121, 0.3727 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(86, 103, 85) looks like.

```
.text, #text, p{  
    color:rgb(86, 103, 85)  
}
```

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(86, 103, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 103, 85) }
```

Border

The CSS property to change the border of an element to Yxy 12.3348, 0.3121, 0.3727 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(86, 103, 85) }
```

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

```
.border{ border-color:rgb(86, 103, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 103, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 103, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 103, 85);  
box-shadow:4px 4px 4px 4px rgb(86, 103,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3348, 0.3121, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 103, 85) }
```

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

```
.background{ background-color: rgb(86, 103,  
85) }
```

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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