

Converting Colors

$Y_{xy}(12.7542, 0.3575, 0.4124)$

Have a look what the booklet for
Yxy(12.7542, 0.3575, 0.4124)
contains.

Yxy(12.8151, 0.3572, 0.4116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.8151, 0.3572, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	646743
RGB	100, 103, 67
RGB Percent	39%, 40%, 26%
CMY	0.6077, 0.5961, 0.7372
CMYK	0.03, 0.00, 0.35, 0.60
HSL	65°, 21%, 33%
HSV	65°, 35%, 40%
XYZ	11.1214, 12.8151, 7.1984
YIQ	97.9990, 9.7680, -11.8320

Conversions

Conversions Part 2

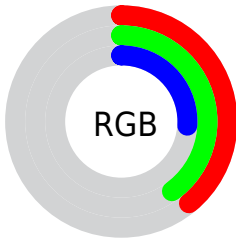
Format	Color
RYB	67, 103, 70
Decimal	6580035
CIELab	42.48, -7.53, 19.96
CIELCh	42, 21.335, 110.662
Yxy	12.8151, 0.3572, 0.4116
Android (android.graphics.Color)	4284770115 (0xFF646743)
YUV	97.9990, -15.2825, 1.7549
Hunter-Lab	35.7982, -7.1925, 13.1366

Details

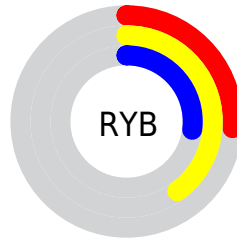
The Yxy color **12.8151, 0.3572, 0.4116** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2953, 0.2589, 0.2336**, and the grayscale version is **12.2521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9283, 0.3466, 0.3911**, and **3.6203, 0.3751, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **12.6547, 0.3692, 0.4347**, and if you desaturate by 10%, it is **12.9992, 0.3446, 0.3877**.

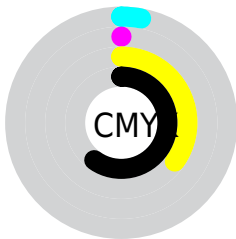
Distribution



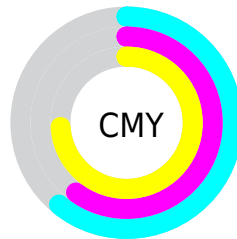
- Red (39%)
- Green (40%)
- Blue (26%)



- Red (26%)
- Yellow (40%)
- Blue (27%)



- Cyan (3%)
- Magenta (0%)
- Yellow (35%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8151, 0.3572, 0.4116 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 12.8151, 0.3572, 0.4116 by changing the saturation by 10% instead.

■ 12.8151, 0.3572,
0.4116

■ 12.8151, 0.3572,
0.4116

■ 209.7293, 0.3311,
0.3609

■ 7.3013, 0.3652,
0.4289

■ 30.9712, 0.3466,
0.3902

■ 3.6513, 0.3760,
0.4548

■ 44.3823, 0.3430,
0.3831

■ 1.4805, 0.4227,
0.5377

■ 61.1947, 0.3401,
0.3775

■ 0.2749, 0.2200,
0.7800

■ 81.7928, 0.3376,
0.3729

■ 0.0000, 0.0000,
0.0000

■ 106.5608, 0.3356,
0.3692

135.8833, 0.3339,

0.3660

170.1447, 0.3324,
0.3633

■ 12.8151, 0.3572,
0.4116

■ 12.8151, 0.3572,
0.4116

■ 12.6547, 0.3692,
0.4347

■ 12.9992, 0.3446,
0.3877

■ 12.5150, 0.3800,
0.4562

■ 13.2063, 0.3317,
0.3637

■ 12.3954, 0.3892,
0.4753

■ 13.4379, 0.3189,
0.3403

■ 12.2944, 0.3964,
0.4911

■ 13.6952, 0.3065,
0.3178

■ 12.2105, 0.4014,
0.5032

■ 13.9788, 0.2947,
0.2966

■ 12.1403, 0.4044,
0.5118

■ 14.2898, 0.2836,
0.2768

■ 12.1059, 0.4057,
0.5160

■ 14.6288, 0.2733,
0.2586

■ 14.9968, 0.2638,
0.2420

■ 15.3944, 0.2550,
0.2268

Harmonies

Analogous

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



12.8151, 0.3915, 0.3953



12.8151, 0.3572, 0.4116



12.8151, 0.3125, 0.4028

Triad

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



12.8151, 0.3572, 0.4116



12.8151, 0.2288, 0.2840



12.8151, 0.3542, 0.2929

Complementary

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



12.8151, 0.3572, 0.4116



6.2953, 0.2589, 0.2336

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.



12.8151, 0.3075, 0.2675



12.8151, 0.3572, 0.4116



12.8151, 0.2378, 0.2608

Square

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



12.8151, 0.3572, 0.4116



12.8151, 0.2399, 0.3233



12.8151, 0.2655, 0.2557



12.8151, 0.3907, 0.3271

Rectangle

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



12.8151, 0.3572, 0.4116



12.8151, 0.2830, 0.3823



12.8151, 0.2655, 0.2557



12.8151, 0.3390, 0.2832

Sweetspot

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



12.8157, 0.3572, 0.4116



23.8372, 0.3257, 0.3527



7.5948, 0.3864, 0.3350



5.8053, 0.3270, 0.3551



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.



12.8157, 0.3572, 0.4116



22.7087, 0.3672, 0.4309



11.9256, 0.3304, 0.4193



3.2571, 0.3239, 0.3495



15.2255, 0.4056, 0.5162



79.2278, 0.4047, 0.5169

Inverse Universe

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



6.2953, 0.2589, 0.2336



9.0994, 0.2435, 0.2069



7.0397, 0.2884, 0.2410



2.7735, 0.3010, 0.3078



1.2931, 0.1544, 0.0624



6.5742, 0.1521, 0.0611

Previews

White Background



This preview shows how the Yxy color 12.8151, 0.3572, 0.4116 looks on a white background.

Color Contrast Check

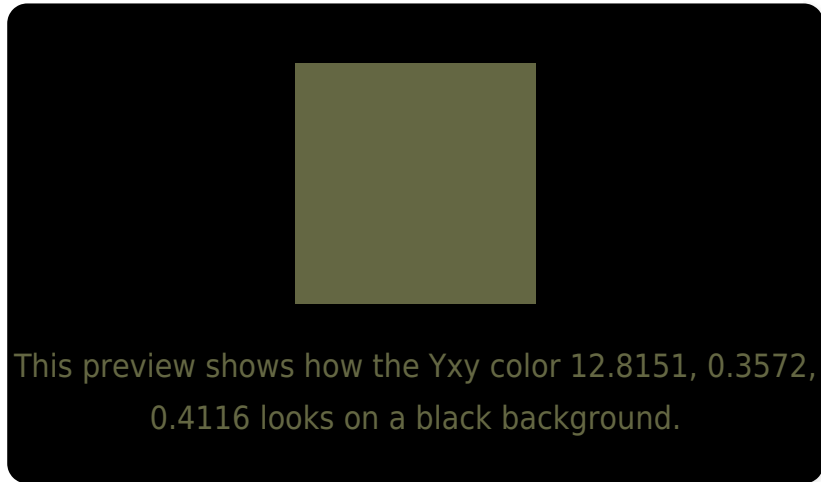
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

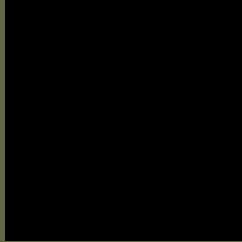
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

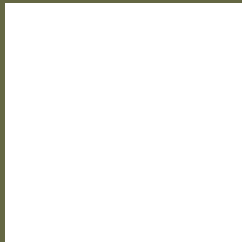
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8151, 0.3572, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 12.8151, 0.3572, 0.4116.



This preview shows how white text looks on a background with the Yxy color 12.8151, 0.3572, 0.4116.

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

12.8151, 0.3572, 0.4116

Protanopia

12.7589, 0.3749, 0.4038

Deuteranopia

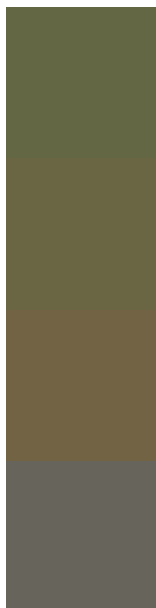
12.7885, 0.3916, 0.3851



Tritanopia

12.7792, 0.3121, 0.3117

Trichromacy



Original Color

12.8151, 0.3572, 0.4116

Protanomaly

12.7649, 0.3694, 0.4071

Deuteranomaly

12.8517, 0.3793, 0.3958

Tritanomaly

12.7706, 0.3283, 0.3470

Monochromacy



Original Color

12.8151, 0.3572, 0.4116

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4551, 0.3292, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8151, 0.3572, 0.4116 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(100, 103, 67)` looks like.

```
.text, #text, p{  
    color:rgb(100, 103, 67)  
}
```

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(100, 103, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 103, 67) }
```

Border

The CSS property to change the border of an element to Yxy 12.8151, 0.3572, 0.4116 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(100, 103, 67) }
```

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

```
.border{ border-color:rgb(100, 103, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 103, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 103, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 103, 67);  
box-shadow:4px 4px 4px 4px rgb(100, 103,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8151, 0.3572, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 103, 67) }
```

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

```
.background{ background-color: rgb(100,  
103, 67) }
```

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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