

Converting Colors

$Y_{xy}(13.0242, 0.3614, 0.4043)$

Have a look what the booklet for
Yxy(13.0242, 0.3614, 0.4043)
contains.

Yxy(13.0732, 0.3608, 0.4054)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0732, 0.3608, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	686745
RGB	104, 103, 69
RGB Percent	41%, 40%, 27%
CMY	0.5921, 0.5961, 0.7294
CMYK	0.00, 0.01, 0.34, 0.59
HSL	58°, 20%, 34%
HSV	58°, 34%, 41%
XYZ	11.6350, 13.0732, 7.5395
YIQ	99.4230, 11.5100, -10.3620

Conversions

Conversions Part 2

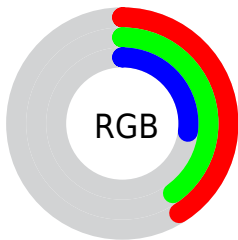
Format	Color
R_{YB}	70, 104, 69
Decimal	6842181
CIE Lab	42.87, -5.50, 19.38
CIE LCh	43, 20.144, 105.849
Yxy	13.0732, 0.3608, 0.4054
Android (android.graphics.Color)	4285032261 (0xFF686745)
YUV	99.4230, -14.9985, 4.0140
Hunter-Lab	36.1569, -5.8349, 12.9466

Details

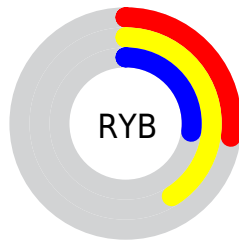
The Yxy color **13.0732, 0.3608, 0.4054** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.6477, 0.2570, 0.2391**, and the grayscale version is **12.6271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4871, 0.3491, 0.3852**, and **3.7393, 0.3820, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **12.8954, 0.3747, 0.4273**, and if you desaturate by 10%, it is **13.2751, 0.3464, 0.3826**.

Distribution



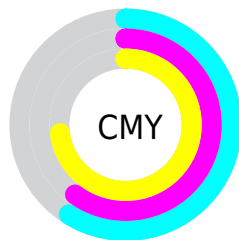
- Red (41%)
- Green (40%)
- Blue (27%)



- Red (27%)
- Yellow (41%)
- Blue (27%)



- Cyan (0%)
- Magenta (1%)
- Yellow (34%)
- Black (59%)




- Cyan (59%)
- Magenta (60%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0732, 0.3608, 0.4054 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 13.0732, 0.3608, 0.4054 by changing the saturation by 10% instead.


 13.0732, 0.3608,
0.4054


 13.0732, 0.3608,
0.4054

211.3863, 0.3324,
0.3589


 7.4790, 0.3696,
0.4210


 31.4352, 0.3492,
0.3859


 3.7634, 0.3820,
0.4442

 44.9718, 0.3453,
0.3794


 1.5421, 0.4239,
0.5108

 61.9246, 0.3421,
0.3742

 0.3181, 0.3457,
0.6543

 82.6781, 0.3395,
0.3700

 0.0000, 0.0000,
0.0000

 107.6166, 0.3373,
0.3665

137.1246, 0.3354,

0.3636

171.5863, 0.3338,
0.3610

■ 13.0732, 0.3608,
0.4054

■ 13.0732, 0.3608,
0.4054

■ 12.8954, 0.3747,
0.4273

■ 13.2751, 0.3464,
0.3826

■ 12.7387, 0.3877,
0.4474

■ 13.5003, 0.3319,
0.3597

■ 12.6023, 0.3992,
0.4651

■ 13.7506, 0.3178,
0.3371

■ 12.4850, 0.4088,
0.4795

■ 14.0268, 0.3042,
0.3154

■ 12.3850, 0.4161,
0.4902

■ 14.3299, 0.2914,
0.2948

■ 12.2997, 0.4212,
0.4973

■ 14.6607, 0.2795,
0.2756

■ 12.2479, 0.4242,
0.5014

■ 15.0201, 0.2685,
0.2578

■ 15.4089, 0.2585,
0.2415

■ 15.8279, 0.2493,
0.2266

Harmonies

Analogous

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



13.0732, 0.3902, 0.3875



13.0732, 0.3608, 0.4054



13.0732, 0.3196, 0.4010

Triad

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



13.0732, 0.3608, 0.4054



13.0732, 0.2340, 0.2920



13.0732, 0.3449, 0.2905

Complementary

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



13.0732, 0.3608, 0.4054



6.6477, 0.2570, 0.2391

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.



13.0732, 0.3011, 0.2682



13.0732, 0.3608, 0.4054



13.0732, 0.2395, 0.2672

Square

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



13.0732, 0.3608, 0.4054



13.0732, 0.2476, 0.3306



13.0732, 0.2631, 0.2596



13.0732, 0.3815, 0.3219

Rectangle

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



13.0732, 0.3608, 0.4054



13.0732, 0.2914, 0.3842



13.0732, 0.2631, 0.2596



13.0732, 0.3304, 0.2818

Sweetspot

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



13.0738, 0.3608, 0.4054



23.8191, 0.3271, 0.3519



7.6443, 0.3822, 0.3264



5.8005, 0.3285, 0.3543



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.



13.0738, 0.3608, 0.4054



22.6904, 0.3713, 0.4218



12.3933, 0.3350, 0.4144



3.2549, 0.3251, 0.3488



15.0836, 0.4243, 0.5013



78.4362, 0.4246, 0.5011

Inverse Universe

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



6.6477, 0.2570, 0.2391



9.6429, 0.2425, 0.2154



7.2029, 0.2834, 0.2429



2.7754, 0.2999, 0.3084



1.3048, 0.1509, 0.0632



6.5795, 0.1504, 0.0613

Previews

White Background



This preview shows how the Yxy color 13.0732, 0.3608, 0.4054 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 13.0732, 0.3608, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

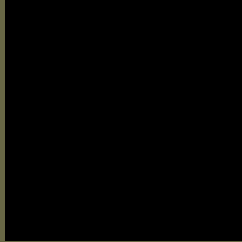
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0732, 0.3608, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 13.0732, 0.3608, 0.4054.



This preview shows how white text looks on a background with the Yxy color 13.0732, 0.3608, 0.4054.

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

13.0732, 0.3608, 0.4054

Protanopia

13.0397, 0.3730, 0.4011

Deuteranopia

13.0565, 0.3909, 0.3847



Tritanopia

12.9641, 0.3165, 0.3119

Trichromacy



Original Color

13.0732, 0.3608, 0.4054

Protanomaly

13.1082, 0.3691, 0.4039

Deuteranomaly

13.0107, 0.3796, 0.3909

Tritanomaly

13.0305, 0.3329, 0.3444

Monochromacy



Original Color

13.0732, 0.3608, 0.4054

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5856, 0.3309, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0732, 0.3608, 0.4054 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(104, 103, 69)` looks like.

```
.text, #text, p{  
    color:rgb(104, 103, 69)  
}
```

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(104, 103, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 103, 69) }
```

Border

The CSS property to change the border of an element to Yxy 13.0732, 0.3608, 0.4054 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(104, 103, 69) }
```

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

```
.border{ border-color:rgb(104, 103, 69) }
```

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

Here you see how a box with a 4 pixel rgb(104, 103, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 103, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 103, 69);  
box-shadow:4px 4px 4px 4px rgb(104, 103,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0732, 0.3608, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 103, 69) }
```

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

```
.background{ background-color: rgb(104,  
103, 69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor