

Converting Colors

$Y_{xy}(13.4161, 0.3622, 0.3643)$

Have a look what the booklet for
Yxy(13.4161, 0.3622, 0.3643)
contains.

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Color

Yxy(13.4519, 0.3615, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	746453
RGB	116, 100, 83
RGB Percent	45%, 39%, 33%
CMY	0.5450, 0.6079, 0.6745
CMYK	0.00, 0.14, 0.28, 0.55
HSL	31°, 17%, 39%
HSV	31°, 28%, 45%
XYZ	13.3229, 13.4519, 10.0797
YIQ	102.8460, 14.9930, -1.8950

Conversions

Conversions Part 2

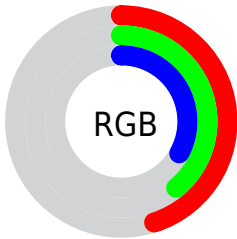
Format	Color
R_{YB}	114, 116, 83
Decimal	7627859
CIE _{Lab}	43.44, 3.54, 12.00
CIE _{LCh}	43, 12.513, 73.569
Yxy	13.4519, 0.3615, 0.3650
Android (android.graphics.Color)	4285817939 (0xFF746453)
YUV	102.8460, -9.7841, 11.5361
Hunter-Lab	36.6768, 0.6559, 9.3794

Details

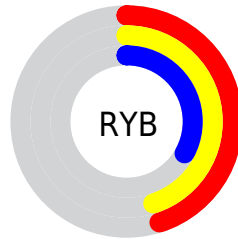
The Yxy color **13.4519, 0.3615, 0.3650** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0302, 0.2697, 0.2900**, and the grayscale version is **13.5450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1515, 0.3481, 0.3559**, and **3.8794, 0.3863, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **12.2449, 0.3827, 0.3782**, and if you desaturate by 10%, it is **14.7648, 0.3424, 0.3519**.

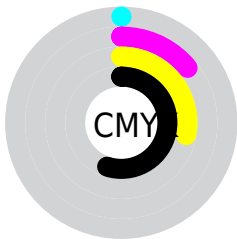
Distribution



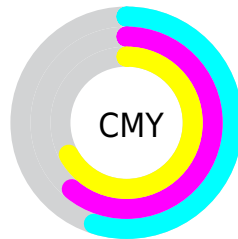
- Red (45%)
- Green (39%)
- Blue (33%)



- Red (45%)
- Yellow (45%)
- Blue (33%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (55%)





- Cyan (55%)
- Magenta (61%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4519, 0.3615, 0.3650 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 13.4519, 0.3615, 0.3650 by changing the saturation by 10% instead.


 13.4519, 0.3615,
0.3650


 13.4519, 0.3615,
0.3650


213.7939, 0.3321,
0.3437


 7.7405, 0.3713,
0.3719


 32.1133, 0.3492,
0.3562


 3.9293, 0.3860,
0.3818

 45.8320, 0.3451,
0.3533


 1.6341, 0.4113,
0.3984

 62.9886, 0.3418,
0.3509

 0.3804, 0.5408,
0.4592

 83.9676, 0.3392,
0.3489

 0.0000, 0.0000,
0.0000

 109.1531, 0.3369,
0.3473

138.9298, 0.3351,

0.3459

173.6819, 0.3334,
0.3447

■ 13.4519, 0.3615,
0.3650

■ 13.4519, 0.3615,
0.3650

■ 12.2449, 0.3827,
0.3782

■ 14.7648, 0.3424,
0.3519

■ 11.1390, 0.4059,
0.3909

■ 16.1846, 0.3255,
0.3392

■ 10.1316, 0.4307,
0.4024

■ 17.7147, 0.3105,
0.3272

■ 9.2193, 0.4563,
0.4116

■ 19.3575, 0.2974,
0.3160

■ 8.3986, 0.4816,
0.4175

■ 21.1158, 0.2858,
0.3055

■ 7.6653, 0.5051,
0.4190

■ 22.9918, 0.2757,
0.2959

■ 7.0108, 0.5271,
0.4171

■ 24.9879, 0.2668,
0.2871

■ 6.9152, 0.5307,
0.4168

■ 27.1063, 0.2589,
0.2790

■ 29.3493, 0.2520,
0.2716

Harmonies

Analogous

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



13.4519, 0.3649, 0.3459



13.4519, 0.3615, 0.3650



13.4519, 0.3447, 0.3754

Triad

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



13.4519, 0.3615, 0.3650



13.4519, 0.2732, 0.3326



13.4519, 0.3039, 0.2895

Complementary

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



13.4519, 0.3615, 0.3650



12.0302, 0.2697, 0.2900

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.



13.4519, 0.2804, 0.2851



13.4519, 0.3615, 0.3650



13.4519, 0.2632, 0.3086

Square

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



13.4519, 0.3615, 0.3650



13.4519, 0.2936, 0.3568



13.4519, 0.2658, 0.2916



13.4519, 0.3308, 0.3034

Rectangle

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



13.4519, 0.3615, 0.3650



13.4519, 0.3286, 0.3753



13.4519, 0.2658, 0.2916



13.4519, 0.2954, 0.2869

Sweetspot

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



13.4525, 0.3615, 0.3650



28.2399, 0.3267, 0.3402



10.8129, 0.3422, 0.2943



6.6641, 0.3287, 0.3416



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.4525, 0.3615, 0.3650



22.2586, 0.3749, 0.3735



16.8336, 0.3533, 0.3962



3.9835, 0.3264, 0.3399



7.7209, 0.5315, 0.4162



35.9027, 0.5391, 0.4102

Inverse Universe

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



12.0302, 0.2697, 0.2900



19.3326, 0.2596, 0.2798



9.2888, 0.2659, 0.2517



3.8560, 0.2995, 0.3178



4.5852, 0.1775, 0.1588



20.6419, 0.1749, 0.1498

Previews

White Background



This preview shows how the Yxy color 13.4519, 0.3615, 0.3650 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 13.4519, 0.3615, 0.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

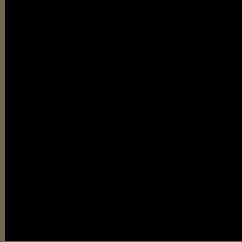
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4519, 0.3615, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 13.4519, 0.3615, 0.3650.

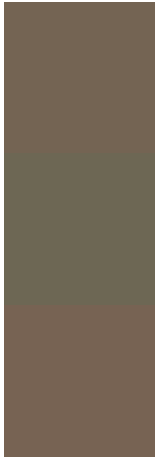


This preview shows how white text looks on a background with the Yxy color 13.4519, 0.3615, 0.3650.

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

13.4519, 0.3615, 0.3650

Protanopia

13.5918, 0.3477, 0.3705

Deuteranopia

13.4702, 0.3668, 0.3624



Tritanopia

13.4209, 0.3331, 0.3127

Trichromacy



Original Color

13.4519, 0.3615, 0.3650

Protanomaly

13.5876, 0.3528, 0.3678

Deuteranomaly

13.3998, 0.3652, 0.3626

Tritanomaly

13.3803, 0.3431, 0.3312

Monochromacy



Original Color

13.4519, 0.3615, 0.3650

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5354, 0.3297, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4519, 0.3615, 0.3650 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(116, 100, 83)` looks like.

```
.text, #text, p{  
    color:rgb(116, 100, 83)  
}
```

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(116, 100, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 100, 83) }
```

Border

The CSS property to change the border of an element to Yxy 13.4519, 0.3615, 0.3650 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(116, 100, 83) }
```

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

```
.border{ border-color:rgb(116, 100, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 100, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 100, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 100, 83);  
box-shadow:4px 4px 4px 4px rgb(116, 100,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4519, 0.3615, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 100, 83) }
```

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

```
.background{ background-color: rgb(116,  
100, 83) }
```

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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