

Converting Colors

$Y_{xy}(13.5252, 0.3546, 0.4110)$

Have a look what the booklet for
Yxy(13.5252, 0.3546, 0.4110)
contains.

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Color

Yxy(13.5750, 0.3545, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	666A46
RGB	102, 106, 70
RGB Percent	40%, 42%, 27%
CMY	0.6001, 0.5843, 0.7255
CMYK	0.04, 0.00, 0.34, 0.58
HSL	67°, 20%, 35%
HSV	67°, 34%, 42%
XYZ	11.7374, 13.5750, 7.7973
YIQ	100.7000, 9.1720, -12.0440

Conversions

Conversions Part 2

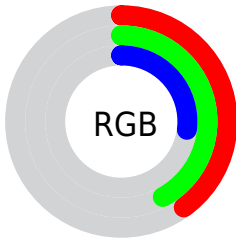
Format	Color
RYB	70, 106, 74
Decimal	6711878
CIELab	43.62, -7.98, 19.73
CIELCh	44, 21.287, 112.019
Yxy	13.5750, 0.3545, 0.4100
Android (android.graphics.Color)	4284901958 (0xFF666A46)
YUV	100.7000, -15.1351, 1.1401
Hunter-Lab	36.8443, -7.6131, 13.2435

Details

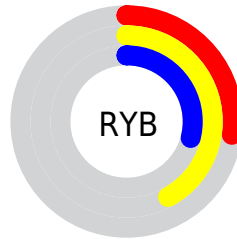
The Yxy color **13.5750, 0.3545, 0.4100** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8797, 0.2622, 0.2367**, and the grayscale version is **12.9701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3159, 0.3451, 0.3884**, and **3.9868, 0.3704, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **13.3845, 0.3661, 0.4337**, and if you desaturate by 10%, it is **13.7914, 0.3423, 0.3857**.

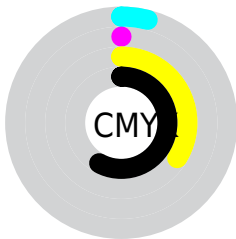
Distribution



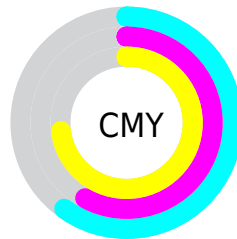
- Red (40%)
- Green (42%)
- Blue (27%)



- Red (27%)
- Yellow (42%)
- Blue (29%)



- Cyan (4%)
- Magenta (0%)
- Yellow (34%)
- Black (58%)





- Cyan (60%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5750, 0.3545, 0.4100 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 13.5750, 0.3545, 0.4100 by changing the saturation by 10% instead.


 13.5750, 0.3545,
0.4100


 13.5750, 0.3545,
0.4100


214.5706, 0.3302,
0.3606


 7.8257, 0.3618,
0.4267


 32.3330, 0.3447,
0.3892


 3.9836, 0.3717,
0.4515

 46.1105, 0.3413,
0.3823

 1.6644, 0.4036,
0.5154

 63.3328, 0.3386,
0.3769

 0.4004, 0.3169,
0.6831

 84.3843, 0.3363,
0.3724

 0.0000, 0.0000,
0.0000

 109.6495, 0.3344,
0.3687

139.5126, 0.3328,

0.3656

174.3582, 0.3314,
0.3629

■ 13.5750, 0.3545,
0.4100

■ 13.5750, 0.3545,
0.4100

■ 13.3845, 0.3661,
0.4337

■ 13.7914, 0.3423,
0.3857

■ 13.2168, 0.3765,
0.4558

■ 14.0329, 0.3298,
0.3615

■ 13.0711, 0.3854,
0.4757

■ 14.3013, 0.3175,
0.3380

■ 12.9459, 0.3923,
0.4924

■ 14.5976, 0.3056,
0.3156

■ 12.8395, 0.3970,
0.5055

■ 14.9228, 0.2942,
0.2945

■ 12.7492, 0.3995,
0.5148

■ 15.2777, 0.2835,
0.2750

■ 12.6970, 0.4008,
0.5200

■ 15.6632, 0.2735,
0.2570

■ 16.0803, 0.2643,
0.2405

■ 16.5296, 0.2559,
0.2256

Harmonies

Analogous

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



13.5750, 0.3887, 0.3952



13.5750, 0.3545, 0.4100



13.5750, 0.3105, 0.4001

Triad

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



13.5750, 0.3545, 0.4100



13.5750, 0.2304, 0.2836



13.5750, 0.3552, 0.2950

Complementary

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



13.5750, 0.3545, 0.4100



6.8797, 0.2622, 0.2367

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.



13.5750, 0.3098, 0.2696



13.5750, 0.3545, 0.4100



13.5750, 0.2401, 0.2615

Square

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



13.5750, 0.3545, 0.4100



13.5750, 0.2404, 0.3215



13.5750, 0.2681, 0.2573



13.5750, 0.3902, 0.3288

Rectangle

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



13.5750, 0.3545, 0.4100



13.5750, 0.2819, 0.3793



13.5750, 0.2681, 0.2573



13.5750, 0.3405, 0.2853

Sweetspot

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



13.5756, 0.3545, 0.4100



24.7920, 0.3253, 0.3528



8.3525, 0.3830, 0.3377



5.7966, 0.3265, 0.3552



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.



13.5756, 0.3545, 0.4100



23.5445, 0.3640, 0.4294



12.6558, 0.3282, 0.4174



3.5672, 0.3237, 0.3497



15.7459, 0.4005, 0.5202



79.9968, 0.3994, 0.5210

Inverse Universe

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



6.8797, 0.2622, 0.2367



9.8008, 0.2474, 0.2106



7.6775, 0.2912, 0.2439



3.0399, 0.3013, 0.3076



1.3780, 0.1559, 0.0633



6.8189, 0.1532, 0.0618

Previews

White Background



This preview shows how the Yxy color 13.5750, 0.3545, 0.4100 looks on a white background.

Color Contrast Check

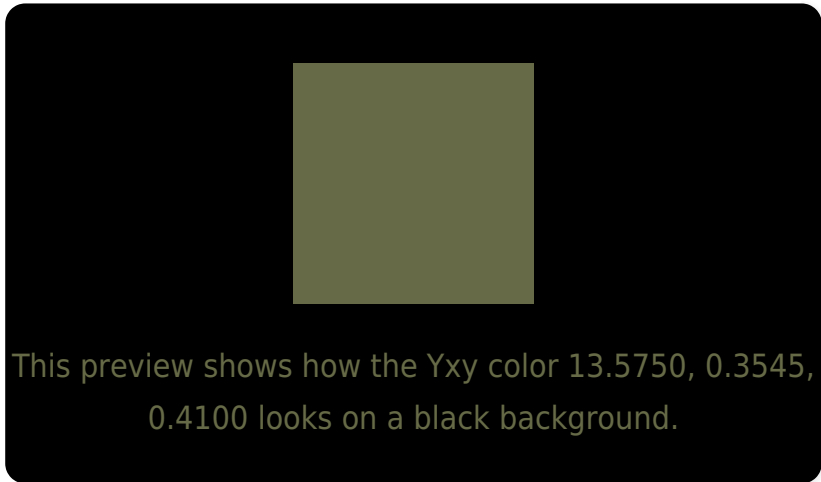
Large Text (above 18pt) WCAG AA ✓ Pass

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

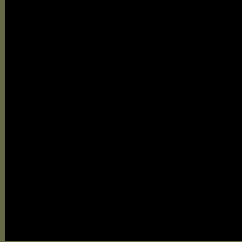
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5750, 0.3545, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 13.5750, 0.3545, 0.4100.



This preview shows how white text looks on a background with the Yxy color 13.5750, 0.3545, 0.4100.

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

13.5750, 0.3545, 0.4100

Protanopia

13.5749, 0.3733, 0.4020

Deuteranopia

13.6025, 0.3895, 0.3839



Tritanopia

13.5373, 0.3106, 0.3120

Trichromacy



Original Color

13.5750, 0.3545, 0.4100

Protanomaly

13.5184, 0.3664, 0.4057

Deuteranomaly

13.6025, 0.3760, 0.3947

Tritanomaly

13.5300, 0.3264, 0.3466

Monochromacy



Original Color

13.5750, 0.3545, 0.4100

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.2054, 0.3273, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5750, 0.3545, 0.4100 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(102, 106, 70)` looks like.

```
.text, #text, p{  
    color:rgb(102, 106, 70)  
}
```

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(102, 106, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 106, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.5750, 0.3545, 0.4100 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(102, 106, 70) }
```

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

```
.border{ border-color:rgb(102, 106, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 106, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 106, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 106, 70);  
box-shadow:4px 4px 4px 4px rgb(102, 106,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5750, 0.3545, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 106, 70) }
```

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

```
.background{ background-color: rgb(102,  
106, 70) }
```

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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