

Converting Colors

$Y_{xy}(15.2699, 0.3334, 0.3537)$

Have a look what the booklet for
Yxy(15.2699, 0.3334, 0.3537)
contains.

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Color

Yxy(15.3111, 0.3338, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	716D61
RGB	113, 109, 97
RGB Percent	44%, 43%, 38%
CMY	0.5568, 0.5726, 0.6196
CMYK	0.00, 0.04, 0.14, 0.56
HSL	45°, 8%, 41%
HSV	45°, 14%, 44%
XYZ	14.4374, 15.3111, 13.5032
YIQ	108.8280, 6.2360, -2.8840

Conversions

Conversions Part 2

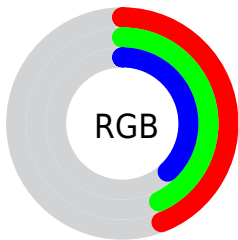
Format	Color
RYB	102, 113, 97
Decimal	7433569
CIELab	46.06, -0.71, 7.26
CIElCh	46, 7.293, 95.574
Yxy	15.3111, 0.3338, 0.3540
Android (android.graphics.Color)	4285623649 (0xFF716D61)
YUV	108.8280, -5.8312, 3.6588
Hunter-Lab	39.1294, -2.6160, 6.9302

Details

The Yxy color **15.3111, 0.3338, 0.3540** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0434, 0.2916, 0.3027**, and the grayscale version is **15.2578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2791, 0.3285, 0.3466**, and **4.8081, 0.3427, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **14.5213, 0.3501, 0.3724**, and if you desaturate by 10%, it is **16.1518, 0.3187, 0.3362**.

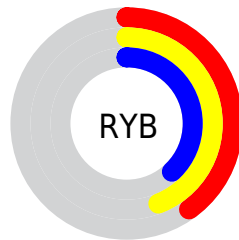
Distribution



Red (44%)

Green (43%)

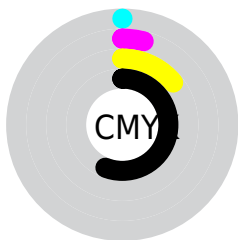
Blue (38%)



Red (40%)

Yellow (44%)

Blue (38%)

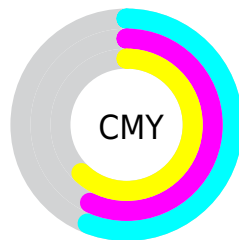


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (56%)



Cyan (56%)

Magenta (57%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3111, 0.3338, 0.3540 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 15.3111, 0.3338, 0.3540 by changing the saturation by 10% instead.

■ 15.3111, 0.3338,
0.3540

■ 15.3111, 0.3338,
0.3540

225.2416, 0.3213,
0.3392

■ 9.0380, 0.3378,
0.3588

■ 35.3980, 0.3287,
0.3479

■ 4.7660, 0.3437,
0.3659

■ 49.9806, 0.3269,
0.3458

■ 2.1106, 0.3532,
0.3774

■ 68.1019, 0.3256,
0.3442

■ 0.6706, 0.4097,
0.4431

■ 90.1462, 0.3244,
0.3428

■ 0.0000, 0.0000,
0.0000

116.4979, 0.3235,
0.3417

147.5415, 0.3226,

0.3407

183.6612, 0.3219,
0.3399

■ 15.3111, 0.3338,
0.3540

■ 15.3111, 0.3338,
0.3540

■ 14.5213, 0.3501,
0.3724

■ 16.1518, 0.3187,
0.3362

■ 13.7788, 0.3672,
0.3909

■ 17.0427, 0.3048,
0.3192

■ 13.0829, 0.3850,
0.4089

■ 17.9858, 0.2921,
0.3033

■ 12.4319, 0.4029,
0.4258

■ 18.9822, 0.2806,
0.2884

■ 11.8239, 0.4202,
0.4405

■ 20.0333, 0.2702,
0.2747

■ 11.2571, 0.4364,
0.4522

■ 21.1402, 0.2609,
0.2621

■ 10.7292, 0.4505,
0.4601

■ 22.3039, 0.2525,
0.2505

■ 10.2369, 0.4624,
0.4639

■ 23.5255, 0.2450,
0.2399

■ 9.9606, 0.4692,
0.4657

■ 24.8061, 0.2383,
0.2302

Harmonies

Analogous

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



15.3111, 0.3411, 0.3471



15.3111, 0.3338, 0.3540



15.3111, 0.3209, 0.3542

Triad

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



15.3111, 0.3338, 0.3540



15.3111, 0.2855, 0.3213



15.3111, 0.3190, 0.3119

Complementary

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



15.3111, 0.3338, 0.3540



13.0434, 0.2916, 0.3027

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.



15.3111, 0.3041, 0.3052



15.3111, 0.3338, 0.3540



15.3111, 0.2850, 0.3103

Square

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



15.3111, 0.3338, 0.3540



15.3111, 0.2931, 0.3349



15.3111, 0.2917, 0.3045



15.3111, 0.3325, 0.3229

Rectangle

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



15.3111, 0.3338, 0.3540



15.3111, 0.3109, 0.3502



15.3111, 0.2917, 0.3045



15.3111, 0.3140, 0.3091

Sweetspot

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



15.3118, 0.3338, 0.3540



28.9259, 0.3186, 0.3361



13.0056, 0.3309, 0.3200



6.6674, 0.3195, 0.3372



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



15.3118, 0.3338, 0.3540



26.9378, 0.3390, 0.3600



15.9447, 0.3276, 0.3626



3.7816, 0.3258, 0.3447



11.2643, 0.4696, 0.4654



54.6919, 0.4730, 0.4627

Inverse Universe

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



13.0434, 0.2916, 0.3027



22.0435, 0.2864, 0.2960



12.4932, 0.2966, 0.2942



3.4238, 0.2996, 0.3128



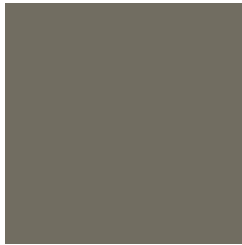
2.2825, 0.1597, 0.0948



10.1798, 0.1573, 0.0863

Previews

White Background



This preview shows how the Yxy color 15.3111, 0.3338, 0.3540 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 15.3111, 0.3338, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

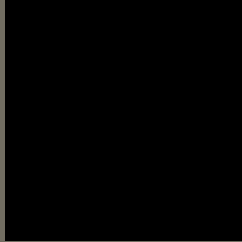
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3111, 0.3338, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 15.3111, 0.3338, 0.3540.



This preview shows how white text looks on a background with the Yxy color 15.3111, 0.3338, 0.3540.

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

15.3111, 0.3338, 0.3540

Protanopia

15.3778, 0.3352, 0.3539

Deuteranopia

15.2701, 0.3497, 0.3430



Tritanopia

15.1907, 0.3136, 0.3109

Trichromacy



Original Color

15.3111, 0.3338, 0.3540

Protanomaly

15.3778, 0.3352, 0.3539

Deuteranomaly

15.1830, 0.3435, 0.3452

Tritanomaly

15.1755, 0.3211, 0.3270

Monochromacy



Original Color

15.3111, 0.3338, 0.3540

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2722, 0.3192, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3111, 0.3338, 0.3540 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(113, 109, 97)` looks like.

```
.text, #text, p{  
    color:rgb(113, 109, 97)  
}
```

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(113, 109, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 109, 97) }
```

Border

The CSS property to change the border of an element to Yxy 15.3111, 0.3338, 0.3540 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(113, 109, 97) }
```

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

```
.border{ border-color:rgb(113, 109, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 109, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 109, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 109, 97);  
box-shadow:4px 4px 4px 4px rgb(113, 109,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3111, 0.3338, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 109, 97) }
```

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

```
.background{ background-color: rgb(113,  
109, 97) }
```

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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