

Converting Colors

$Y_{xy}(15.2701, 0.3283, 0.3694)$

Have a look what the booklet for
Yxy(15.2701, 0.3283, 0.3694)
contains.

Yxy(15.2234, 0.3286, 0.3677)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2234, 0.3286, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	6A6F5D
RGB	106, 111, 93
RGB Percent	42%, 44%, 36%
CMY	0.5843, 0.5647, 0.6354
CMYK	0.04, 0.00, 0.16, 0.56
HSL	77°, 9%, 40%
HSV	77°, 16%, 44%
XYZ	13.6046, 15.2234, 12.5737
YIQ	107.4530, 2.7980, -6.6580

Conversions

Conversions Part 2

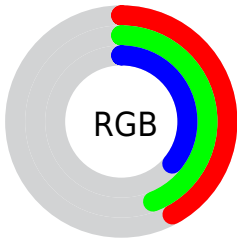
Format	Color
R_{YB}	93, 111, 98
Decimal	6975325
CIE Lab	45.94, -5.43, 9.40
CIE LCh	46, 10.852, 120.014
Yxy	15.2234, 0.3286, 0.3677
Android (android.graphics.Color)	4285165405 (0xFF6A6F5D)
YUV	107.4530, -7.1253, -1.2743
Hunter-Lab	39.0172, -6.0403, 8.2052

Details

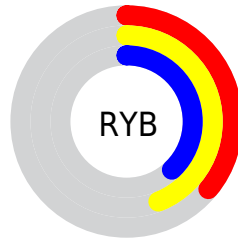
The Yxy color **15.2234, 0.3286, 0.3677** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5691, 0.2952, 0.2890**, and the grayscale version is **14.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3457, 0.3247, 0.3591**, and **4.6901, 0.3366, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **14.8565, 0.3384, 0.3930**, and if you desaturate by 10%, it is **15.6270, 0.3188, 0.3434**.

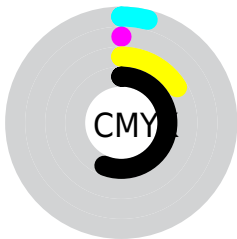
Distribution



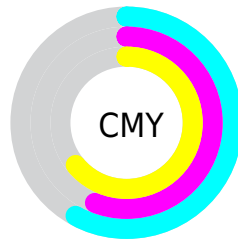
- Red (42%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (38%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (56%)




- Cyan (58%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2234, 0.3286, 0.3677 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 15.2234, 0.3286, 0.3677 by changing the saturation by 10% instead.


 15.2234, 0.3286,
0.3677


 15.2234, 0.3286,
0.3677


224.7144, 0.3194,
0.3445


 8.9763, 0.3315,
0.3754


 35.2446, 0.3249,
0.3580


 4.7257, 0.3356,
0.3869

 49.7875, 0.3236,
0.3548

 2.0873, 0.3420,
0.4059

 67.8645, 0.3225,
0.3522

 0.6574, 0.4074,
0.5439

 89.8600, 0.3217,
0.3501

 0.0000, 0.0000,
0.0000

116.1583, 0.3210,
0.3484

147.1439, 0.3203,

0.3469

183.2012, 0.3198,
0.3456

■ 15.2234, 0.3286,
0.3677

■ 15.2234, 0.3286,
0.3677

■ 14.8565, 0.3384,
0.3930

■ 15.6270, 0.3188,
0.3434

■ 14.5229, 0.3477,
0.4189

■ 16.0664, 0.3091,
0.3206

■ 14.2219, 0.3563,
0.4445

■ 16.5435, 0.2998,
0.2993

■ 13.9521, 0.3636,
0.4689

■ 17.0594, 0.2910,
0.2798

■ 13.7118, 0.3692,
0.4913

■ 17.6151, 0.2827,
0.2620

■ 13.4992, 0.3728,
0.5105

■ 18.2117, 0.2749,
0.2458

■ 13.3122, 0.3742,
0.5258

■ 18.8501, 0.2678,
0.2312

■ 13.1463, 0.3736,
0.5375

■ 19.5312, 0.2612,
0.2180

■ 13.0861, 0.3733,
0.5418

■ 20.2560, 0.2551,
0.2060

Harmonies

Analogous

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



15.2234, 0.3469, 0.3650



15.2234, 0.3286, 0.3677



15.2234, 0.3065, 0.3591

Triad

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



15.2234, 0.3286, 0.3677



15.2234, 0.2711, 0.3034



15.2234, 0.3390, 0.3165

Complementary

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



15.2234, 0.3286, 0.3677



11.5691, 0.2952, 0.2890

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.



15.2234, 0.3178, 0.3014



15.2234, 0.3286, 0.3677



15.2234, 0.2791, 0.2936

Square

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



15.2234, 0.3286, 0.3677



15.2234, 0.2738, 0.3208



15.2234, 0.2959, 0.2931



15.2234, 0.3532, 0.3350

Rectangle

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



15.2234, 0.3286, 0.3677



15.2234, 0.2927, 0.3481



15.2234, 0.2959, 0.2931



15.2234, 0.3324, 0.3109

Sweetspot

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



15.2241, 0.3286, 0.3677



28.0651, 0.3177, 0.3409



12.8657, 0.3398, 0.3394



6.7326, 0.3182, 0.3421



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.



15.2241, 0.3286, 0.3677



27.0376, 0.3318, 0.3759



14.7109, 0.3164, 0.3692



3.8721, 0.3215, 0.3500



15.4069, 0.3729, 0.5421



76.3025, 0.3703, 0.5442

Inverse Universe

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



11.5691, 0.2952, 0.2890



19.3380, 0.2911, 0.2801



12.0871, 0.3082, 0.2905



3.3411, 0.3035, 0.3076



1.6789, 0.1706, 0.0714



7.9838, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 15.2234, 0.3286, 0.3677 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 15.2234, 0.3286, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

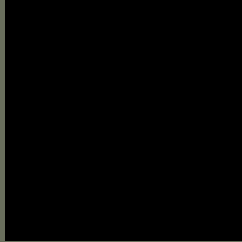
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2234, 0.3286, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 15.2234, 0.3286, 0.3677.



This preview shows how white text looks on a background with the Yxy color 15.2234, 0.3286, 0.3677.

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

15.2234, 0.3286, 0.3677

Protanopia

15.0752, 0.3422, 0.3624

Deuteranopia

15.1964, 0.3554, 0.3510



Tritanopia

15.2373, 0.3041, 0.3126

Trichromacy



Original Color

15.2234, 0.3286, 0.3677

Protanomaly

15.0895, 0.3375, 0.3649

Deuteranomaly

15.1054, 0.3442, 0.3558

Tritanomaly

15.2081, 0.3126, 0.3311

Monochromacy



Original Color

15.2234, 0.3286, 0.3677

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8102, 0.3190, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2234, 0.3286, 0.3677 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(106, 111, 93)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 93)  
}
```

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(106, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 93) }
```

Border

The CSS property to change the border of an element to Yxy 15.2234, 0.3286, 0.3677 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(106, 111, 93) }
```

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

```
.border{ border-color:rgb(106, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2234, 0.3286, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 93) }
```

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

```
.background{ background-color: rgb(106,  
111, 93) }
```

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