

Converting Colors

$Y_{xy}(16.6040, 0.3738, 0.4331)$

Have a look what the booklet for
Yxy(16.6040, 0.3738, 0.4331)
contains.

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Color

Yxy(16.5173, 0.3733, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	737441
RGB	115, 116, 65
RGB Percent	45%, 45%, 25%
CMY	0.5490, 0.5451, 0.7451
CMYK	0.01, 0.00, 0.44, 0.55
HSL	61°, 28%, 35%
HSV	61°, 44%, 45%
XYZ	14.2696, 16.5173, 7.4387
YIQ	109.8870, 15.7750, -16.0730

Conversions

Conversions Part 2

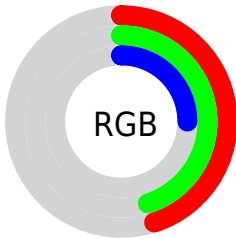
Format	Color
RYB	65, 116, 66
Decimal	7566401
CIELab	47.65, -8.59, 27.97
CIELCh	48, 29.264, 107.076
Yxy	16.5173, 0.3733, 0.4321
Android (android.graphics.Color)	4285756481 (0xFF737441)
YUV	109.8870, -22.1293, 4.4841
Hunter-Lab	40.6415, -8.4494, 17.5970

Details

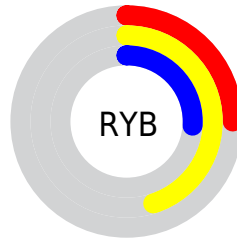
The Yxy color **16.5173, 0.3733, 0.4321** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.2020, 0.2365, 0.2012**, and the grayscale version is **15.6206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5450, 0.3602, 0.4074**, and **5.3086, 0.3927, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **16.3816, 0.3854, 0.4530**, and if you desaturate by 10%, it is **16.6822, 0.3600, 0.4094**.

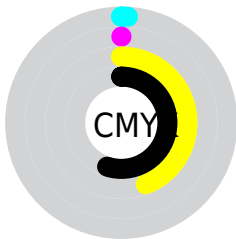
Distribution



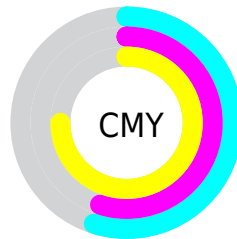
- Red (45%)
- Green (45%)
- Blue (25%)



- Red (25%)
- Yellow (45%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (44%)
- Black (55%)



- Cyan (55%)
- Magenta (55%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5173, 0.3733, 0.4321 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 16.5173, 0.3733, 0.4321 by changing the saturation by 10% instead.

■ 16.5173, 0.3733,
0.4321

■ 16.5173, 0.3733,
0.4321

■ 232.3751, 0.3394,
0.3713

■ 9.8909, 0.3825,
0.4509

■ 37.4940, 0.3602,
0.4074

■ 5.3267, 0.3941,
0.4771

■ 52.6131, 0.3555,
0.3990

■ 2.4402, 0.4251,
0.5372

■ 71.3318, 0.3516,
0.3922

■ 0.8465, 0.4127,
0.5873

■ 94.0347, 0.3484,
0.3865

■ 0.0000, 0.0000,
0.0000

■ 121.1061, 0.3456,
0.3818

■ 152.9304, 0.3432,

0.3778

189.8919, 0.3412,
0.3743

■ 16.5173, 0.3733,
0.4321

■ 16.5173, 0.3733,
0.4321

■ 16.3816, 0.3854,
0.4530

■ 16.6822, 0.3600,
0.4094

■ 16.2711, 0.3958,
0.4712

■ 16.8755, 0.3461,
0.3856

■ 16.1846, 0.4042,
0.4860

■ 17.0996, 0.3320,
0.3617

■ 16.1201, 0.4103,
0.4969

■ 17.3556, 0.3181,
0.3381

■ 16.0744, 0.4141,
0.5041

■ 17.6449, 0.3047,
0.3154

■ 16.0497, 0.4160,
0.5079

■ 17.9687, 0.2919,
0.2940

■ 18.3280, 0.2800,
0.2740

■ 18.7241, 0.2690,
0.2555

■ 19.1579, 0.2589,
0.2386

Harmonies

Analogous

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



16.5173, 0.4144, 0.4063



16.5173, 0.3733, 0.4321



16.5173, 0.3180, 0.4271

Triad

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



16.5173, 0.3733, 0.4321



16.5173, 0.2095, 0.2764



16.5173, 0.3578, 0.2798

Complementary

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



16.5173, 0.3733, 0.4321



6.2020, 0.2365, 0.2012

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.



16.5173, 0.2987, 0.2508



16.5173, 0.3733, 0.4321



16.5173, 0.2177, 0.2462

Square

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



16.5173, 0.3733, 0.4321



16.5173, 0.2254, 0.3275



16.5173, 0.2486, 0.2384



16.5173, 0.4071, 0.3201

Rectangle

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



16.5173, 0.3733, 0.4321



16.5173, 0.2810, 0.4031



16.5173, 0.2486, 0.2384



16.5173, 0.3381, 0.2686

Sweetspot

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



16.5181, 0.3733, 0.4321



30.0824, 0.3311, 0.3602



7.9754, 0.4193, 0.3312



7.1583, 0.3337, 0.3645



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.



16.5181, 0.3733, 0.4321



28.7855, 0.3858, 0.4537



15.0300, 0.3376, 0.4458



4.2628, 0.3251, 0.3500



18.0092, 0.4160, 0.5079



87.7144, 0.4158, 0.5080

Inverse Universe

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



6.2020, 0.2365, 0.2012



8.0752, 0.2155, 0.1662



7.2854, 0.2754, 0.2136



3.5930, 0.2998, 0.3071



1.4307, 0.1510, 0.0605



6.9277, 0.1504, 0.0602

Previews

White Background



This preview shows how the Yxy color 16.5173, 0.3733, 0.4321 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 16.5173, 0.3733, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

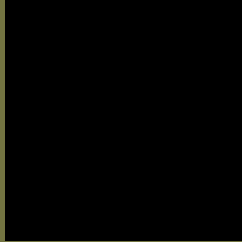
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

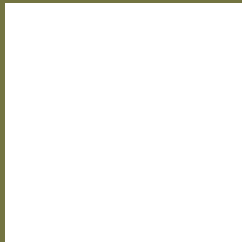
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5173, 0.3733, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 16.5173, 0.3733, 0.4321.



This preview shows how white text looks on a background with the Yxy color 16.5173, 0.3733, 0.4321.

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

16.5173, 0.3733, 0.4321

Protanopia

16.4655, 0.3899, 0.4239

Deuteranopia

16.4487, 0.4097, 0.4037



Tritanopia

16.5248, 0.3175, 0.3135

Trichromacy



Original Color

16.5173, 0.3733, 0.4321

Protanomaly

16.4697, 0.3847, 0.4273

Deuteranomaly

16.4294, 0.3965, 0.4144

Tritanomaly

16.4111, 0.3387, 0.3551

Monochromacy



Original Color

16.5173, 0.3733, 0.4321

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8412, 0.3354, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5173, 0.3733, 0.4321 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(115, 116, 65)` looks like.

```
.text, #text, p{  
    color:rgb(115, 116, 65)  
}
```

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(115, 116, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 116, 65) }
```

Border

The CSS property to change the border of an element to Yxy 16.5173, 0.3733, 0.4321 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(115, 116, 65) }
```

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

```
.border{ border-color:rgb(115, 116, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 116, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 116, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 116, 65);  
box-shadow:4px 4px 4px 4px rgb(115, 116,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5173, 0.3733, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 116, 65) }
```

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

```
.background{ background-color: rgb(115,  
116, 65) }
```

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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