

Converting Colors

$Y_{xy}(16.2889, 0.3519, 0.4132)$

Have a look what the booklet for
Yxy(16.2889, 0.3519, 0.4132)
contains.

Yxy(16.2638, 0.3520, 0.4131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2638, 0.3520, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	6D744C
RGB	109, 116, 76
RGB Percent	43%, 45%, 30%
CMY	0.5725, 0.5451, 0.7019
CMYK	0.06, 0.00, 0.34, 0.55
HSL	70°, 21%, 38%
HSV	70°, 34%, 45%
XYZ	13.8583, 16.2638, 9.2480
YIQ	109.3470, 8.6680, -13.9240

Conversions

Conversions Part 2

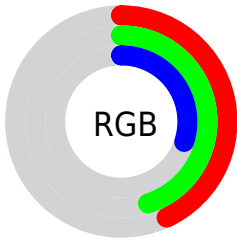
Format	Color
RYB	76, 116, 83
Decimal	7173196
CIELab	47.32, -9.76, 21.26
CIElCh	47, 23.390, 114.666
Yxy	16.2638, 0.3520, 0.4131
Android (android.graphics.Color)	4285363276 (0xFF6D744C)
YUV	109.3470, -16.4401, -0.3043
Hunter-Lab	40.3284, -9.2357, 14.6336

Details

The Yxy color **16.2638, 0.3520, 0.4131** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.2700, 0.2643, 0.2349**, and the grayscale version is **15.4437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0630, 0.3436, 0.3930**, and **5.2253, 0.3671, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **15.9904, 0.3625, 0.4377**, and if you desaturate by 10%, it is **16.5707, 0.3408, 0.3881**.

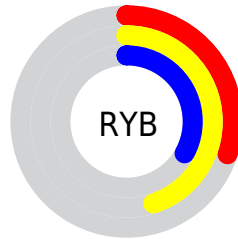
Distribution



Red (43%)

Green (45%)

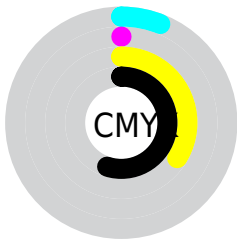
Blue (30%)



Red (30%)

Yellow (45%)

Blue (33%)

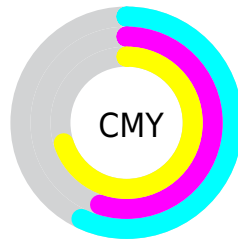


Cyan (6%)

Magenta (0%)

Yellow (34%)

Black (55%)



Cyan (57%)


Magenta (55%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2638, 0.3520, 0.4131 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 16.2638, 0.3520, 0.4131 by changing the saturation by 10% instead.


 16.2638, 0.3520,
0.4131


 16.2638, 0.3520,
0.4131


230.8934, 0.3299,
0.3629


 9.7110, 0.3583,
0.4293


 37.0556, 0.3434,
0.3924

 5.2078, 0.3665,
0.4530

 52.0633, 0.3403,
0.3854


 2.3697, 0.3803,
0.4942

 70.6582, 0.3378,
0.3798

 0.8102, 0.3963,
0.6037

 93.2247, 0.3356,
0.3752

 0.0000, 0.0000,
0.0000

 120.1470, 0.3339,
0.3713

151.8096, 0.3323,

0.3681

188.5969, 0.3310,
0.3653

■ 16.2638, 0.3520,
0.4131

■ 16.2638, 0.3520,
0.4131

■ 15.9904, 0.3625,
0.4377

■ 16.5707, 0.3408,
0.3881

■ 15.7468, 0.3719,
0.4609

■ 16.9104, 0.3292,
0.3633

■ 15.5319, 0.3795,
0.4818

■ 17.2850, 0.3178,
0.3393

■ 15.3439, 0.3852,
0.4995


■ 17.6957, 0.3066,
0.3166


■ 15.1804, 0.3886,
0.5134

■ 18.1439, 0.2959,
0.2954


 15.0383, 0.3897,
0.5234

 18.6307, 0.2859,
0.2758

 14.9633, 0.3900,
0.5285

 19.1571, 0.2765,
0.2578

 19.7243, 0.2678,
0.2414

 20.3332, 0.2598,
0.2266

Harmonies

Analogous

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



16.2638, 0.3888, 0.3994



16.2638, 0.3520, 0.4131



16.2638, 0.3063, 0.4005

Triad

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



16.2638, 0.3520, 0.4131



16.2638, 0.2279, 0.2792



16.2638, 0.3605, 0.2967

Complementary

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



16.2638, 0.3520, 0.4131



8.2700, 0.2643, 0.2349

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.



16.2638, 0.3138, 0.2695



16.2638, 0.3520, 0.4131



16.2638, 0.2396, 0.2582

Square

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



16.2638, 0.3520, 0.4131



16.2638, 0.2364, 0.3172



16.2638, 0.2699, 0.2556



16.2638, 0.3951, 0.3320

Rectangle

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



16.2638, 0.3520, 0.4131



16.2638, 0.2771, 0.3777



16.2638, 0.2699, 0.2556



16.2638, 0.3455, 0.2865

Sweetspot

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



16.2645, 0.3520, 0.4131



29.9967, 0.3244, 0.3530



10.3718, 0.3836, 0.3437



7.1389, 0.3257, 0.3557



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.



16.2645, 0.3520, 0.4131



28.2216, 0.3600, 0.4318



15.1530, 0.3250, 0.4209



4.2355, 0.3230, 0.3501



16.7858, 0.3899, 0.5287



81.4688, 0.3882, 0.5299

Inverse Universe

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



8.2700, 0.2643, 0.2349



12.0053, 0.2512, 0.2109



9.2953, 0.2948, 0.2426



3.6178, 0.3019, 0.3073



1.5786, 0.1601, 0.0656



7.4233, 0.1567, 0.0637

Previews

White Background



This preview shows how the Yxy color 16.2638, 0.3520, 0.4131 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 16.2638, 0.3520, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

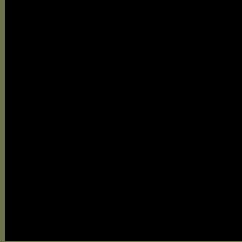
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

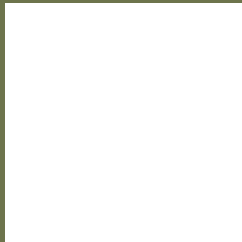
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2638, 0.3520, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 16.2638, 0.3520, 0.4131.



This preview shows how white text looks on a background with the Yxy color 16.2638, 0.3520, 0.4131.

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

16.2638, 0.3520, 0.4131

Protanopia

16.2203, 0.3755, 0.4046

Deuteranopia

16.1338, 0.3915, 0.3837



Tritanopia

16.3456, 0.3082, 0.3132

Trichromacy



Original Color

16.2638, 0.3520, 0.4131

Protanomaly

16.1002, 0.3663, 0.4065

Deuteranomaly

16.0477, 0.3774, 0.3940

Tritanomaly

16.3002, 0.3251, 0.3495

Monochromacy



Original Color

16.2638, 0.3520, 0.4131

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7026, 0.3274, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2638, 0.3520, 0.4131 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(109, 116, 76)` looks like.

```
.text, #text, p{  
    color:rgb(109, 116, 76)  
}
```

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(109, 116, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 116, 76) }
```

Border

The CSS property to change the border of an element to Yxy 16.2638, 0.3520, 0.4131 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(109, 116, 76) }
```

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

```
.border{ border-color:rgb(109, 116, 76) }
```

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

Here you see how a box with a 4 pixel rgb(109, 116, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 116, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 116, 76);  
box-shadow:4px 4px 4px 4px rgb(109, 116,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2638, 0.3520, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 116, 76) }
```

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

```
.background{ background-color: rgb(109,  
116, 76) }
```

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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