

Converting Colors

$Y_{xy}(10.2505, 0.3072, 0.4854)$

Have a look what the booklet for
Yxy(10.2505, 0.3072, 0.4854)
contains.

Yxy(10.1737, 0.3066, 0.4834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.1737, 0.3066, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	316530
RGB	49, 101, 48
RGB Percent	19%, 40%, 19%
CMY	0.8080, 0.6039, 0.8118
CMYK	0.52, 0.00, 0.52, 0.60
HSL	119°, 36%, 29%
HSV	119°, 52%, 40%
XYZ	6.4527, 10.1737, 4.4197
YIQ	79.4100, -13.9790, -27.5070

Conversions

Conversions Part 2

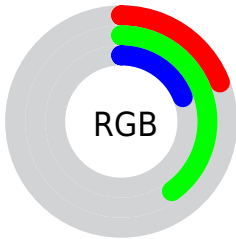
Format	Color
R_{YB}	48, 101, 100
Decimal	3237168
CIE _{Lab}	38.15, -29.44, 24.63
CIE _{LCh}	38, 38.388, 140.084
Yxy	10.1737, 0.3066, 0.4834
Android (android.graphics.Color)	4281427248 (0xFF316530)
YUV	79.4100, -15.4851, -26.6696
Hunter-Lab	31.8962, -19.7071, 14.1119

Details

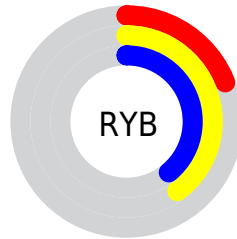
The Yxy color **10.1737, 0.3066, 0.4834** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.7647, 0.3163, 0.2104**, and the grayscale version is **7.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9353, 0.3113, 0.4378**, and **2.5484, 0.2987, 0.5954** is the 20% darker color. If you saturate the color by 10%, you get **9.8802, 0.3051, 0.5160**, and if you desaturate by 10%, it is **10.5413, 0.3081, 0.4499**.

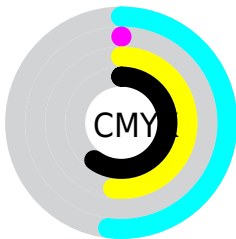
Distribution



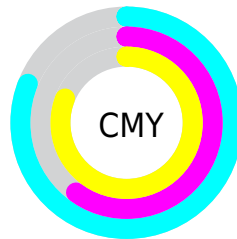
- Red (19%)
- Green (40%)
- Blue (19%)



- Red (19%)
- Yellow (40%)
- Blue (39%)



- Cyan (52%)
- Magenta (0%)
- Yellow (52%)
- Black (60%)





- Cyan (81%)
- Magenta (60%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1737, 0.3066, 0.4834 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 10.1737, 0.3066, 0.4834 by changing the saturation by 10% instead.


 10.1737, 0.3066,
0.4834


 10.1737, 0.3066,
0.4834


191.9073, 0.3139,
0.3820


 5.5143, 0.3004,
0.5233

 26.1217, 0.3114,
0.4378


 2.5521, 0.2915,
0.5991


 38.1791, 0.3124,
0.4237

 0.9026, 0.1335,
0.8665

 53.4712, 0.3130,
0.4127

 0.0000, 0.0000,
0.0000

 72.3825, 0.3133,
0.4041

 95.2974, 0.3136,
0.3970

 122.6002, 0.3137,

0.3911

154.6754, 0.3138,
0.3862

■ 10.1737, 0.3066,
0.4834

■ 10.1737, 0.3066,
0.4834

■ 9.8802, 0.3051,
0.5160

■ 10.5413, 0.3081,
0.4499

■ 9.6546, 0.3036,
0.5457

■ 10.9863, 0.3094,
0.4174

■ 9.4919, 0.3023,
0.5700

■ 11.5130, 0.3106,
0.3869

■ 9.3852, 0.3013,
0.5875

■ 12.1254, 0.3116,
0.3593

■ 9.3204, 0.3008,
0.5994

■ 12.8271, 0.3125,
0.3346

■ 13.6213, 0.3133,
0.3130

■ 14.5113, 0.3139,
0.2941

■ 15.5002, 0.3144,
0.2777

■ 16.5908, 0.3148,
0.2635

Harmonies

Analogous

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



10.1737, 0.3894, 0.4878



10.1737, 0.3066, 0.4834



10.1737, 0.2299, 0.4110

Triad

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



10.1737, 0.3066, 0.4834



10.1737, 0.1782, 0.2044



10.1737, 0.4640, 0.3172

Complementary

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



10.1737, 0.3066, 0.4834



5.7647, 0.3163, 0.2104

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.



10.1737, 0.3896, 0.2612



10.1737, 0.3066, 0.4834



10.1737, 0.2232, 0.1992

Square

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



10.1737, 0.3066, 0.4834



10.1737, 0.1636, 0.2405



10.1737, 0.2980, 0.2195



10.1737, 0.4876, 0.3797

Rectangle

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



10.1737, 0.3066, 0.4834



10.1737, 0.1929, 0.3447



10.1737, 0.2980, 0.2195



10.1737, 0.4436, 0.2975

Sweetspot

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



10.1741, 0.3066, 0.4834



20.3788, 0.3112, 0.3699



11.9494, 0.3862, 0.4444



4.9776, 0.3111, 0.3738



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.1741, 0.3066, 0.4834



16.8615, 0.3048, 0.5232



10.4144, 0.2785, 0.4104



3.1448, 0.3120, 0.3502



12.2181, 0.3007, 0.5995



63.6819, 0.3003, 0.5998

Inverse Universe

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



5.7647, 0.3163, 0.2104



8.3683, 0.3167, 0.1882



5.4064, 0.3744, 0.2616



2.8866, 0.3134, 0.3086



4.7192, 0.3165, 0.1517



24.5689, 0.3163, 0.1516

Previews

White Background



This preview shows how the Yxy color 10.1737, 0.3066, 0.4834 looks on a white background.

Color Contrast Check

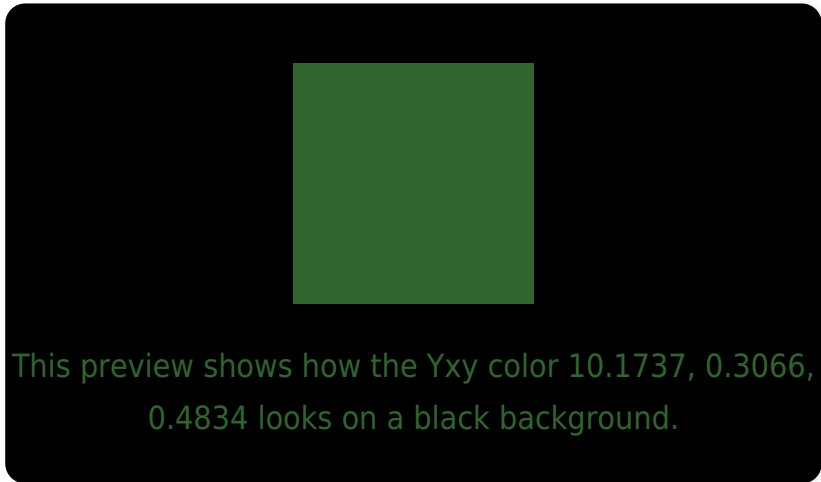
Large Text (above 18pt) WCAG AA ✓ Pass

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

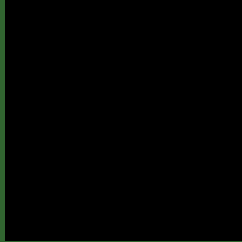
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1737, 0.3066, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 10.1737, 0.3066, 0.4834.



This preview shows how white text looks on a background with the Yxy color 10.1737, 0.3066, 0.4834.

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

10.1737, 0.3066, 0.4834

Protanopia

10.1468, 0.3980, 0.4363

Deuteranopia

9.9961, 0.4101, 0.4029



Tritanopia

10.1558, 0.2568, 0.3081

Trichromacy



Original Color

10.1737, 0.3066, 0.4834

Protanomaly

9.9442, 0.3610, 0.4561

Deuteranomaly

9.7474, 0.3660, 0.4314

Tritanomaly

10.0438, 0.2757, 0.3680

Monochromacy



Original Color

10.1737, 0.3066, 0.4834

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.4627, 0.3101, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1737, 0.3066, 0.4834 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(49, 101, 48)` looks like.

```
.text, #text, p{  
    color:rgb(49, 101, 48)  
}
```

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(49, 101, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 101, 48) }
```

Border

The CSS property to change the border of an element to Yxy 10.1737, 0.3066, 0.4834 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(49, 101, 48) }
```

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

```
.border{ border-color:rgb(49, 101, 48) }
```

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

Here you see how a box with a 4 pixel rgb(49, 101, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 101, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 101, 48);  
box-shadow:4px 4px 4px 4px rgb(49, 101,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1737, 0.3066, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 101, 48) }
```

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

```
.background{ background-color: rgb(49, 101,  
48) }
```

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