

Converting Colors

$Y_{xy}(10.7731, 0.2996, 0.4541)$

Have a look what the booklet for
Yxy(10.7731, 0.2996, 0.4541)
contains.

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Color

Yxy(10.7731, 0.2996, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	35673B
RGB	53, 103, 59
RGB Percent	21%, 40%, 23%
CMY	0.7922, 0.5961, 0.7686
CMYK	0.49, 0.00, 0.43, 0.60
HSL	127°, 32%, 31%
HSV	127°, 49%, 40%
XYZ	7.1077, 10.7731, 5.8432
YIQ	83.0340, -15.6760, -24.2840

Conversions

Conversions Part 2

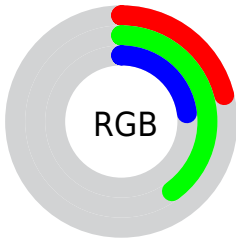
Format	Color
RYB	53, 98, 103
Decimal	3499835
CIELab	39.20, -27.26, 19.73
CIELCh	39, 33.648, 144.109
Yxy	10.7731, 0.2996, 0.4541
Android (android.graphics.Color)	4281689915 (0xFF35673B)
YUV	83.0340, -11.8488, -26.3398
Hunter-Lab	32.8224, -18.7848, 12.4205

Details

The Yxy color **10.7731, 0.2996, 0.4541** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.2923, 0.3298, 0.2300**, and the grayscale version is **8.6844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3878, 0.3049, 0.4181**, and **2.7698, 0.2819, 0.5350** is the 20% darker color. If you saturate the color by 10%, you get **10.4378, 0.2976, 0.4847**, and if you desaturate by 10%, it is **11.1857, 0.3020, 0.4242**.

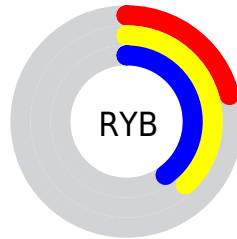
Distribution



 Red (21%)

 Green (40%)

 Blue (23%)




 Red (21%)

 Yellow (38%)

 Blue (40%)

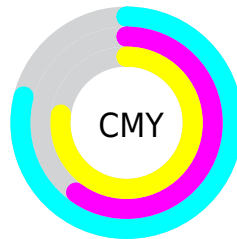


 Cyan (49%)


 Magenta (0%)

 Yellow (43%)

 Black (60%)



 Cyan (79%)


 Magenta (60%)


 Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7731, 0.2996, 0.4541 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 10.7731, 0.2996, 0.4541 by changing the saturation by 10% instead.


 10.7731, 0.2996,
0.4541


 10.7731, 0.2996,
0.4541


196.1042, 0.3100,
0.3727


 5.9145, 0.2938,
0.4858

 27.2398, 0.3051,
0.4177


 2.7931, 0.2822,
0.5378

 39.6167, 0.3065,
0.4064


 1.0247, 0.2277,
0.7723

 55.2685, 0.3075,
0.3976

 0.0000, 0.0000,
0.0000

 74.5795, 0.3083,
0.3906

 97.9342, 0.3088,
0.3849

 125.7169, 0.3093,

0.3802

158.3121, 0.3097,
0.3762

■ 10.7731, 0.2996,
0.4541

■ 10.7731, 0.2996,
0.4541

■ 10.4378, 0.2976,
0.4847

■ 11.1857, 0.3020,
0.4242

■ 10.1737, 0.2962,
0.5145

■ 11.6785, 0.3047,
0.3960

■ 9.9759, 0.2956,
0.5419


■ 12.2560, 0.3076,
0.3701

■ 9.8386, 0.2958,
0.5649

■ 12.9219, 0.3104,
0.3468

■ 9.7415, 0.2960,
0.5829

■ 13.6797, 0.3131,
0.3262

 9.7285, 0.2959,
0.5851

 14.5328, 0.3157,
0.3080

 15.4843, 0.3181,
0.2921

 16.5372, 0.3204,
0.2783

 17.6944, 0.3225,
0.2663

Harmonies

Analogous

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



10.7731, 0.3727, 0.4688



10.7731, 0.2996, 0.4541



10.7731, 0.2340, 0.3880

Triad

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



10.7731, 0.2996, 0.4541



10.7731, 0.1978, 0.2174



10.7731, 0.4486, 0.3279

Complementary

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



10.7731, 0.2996, 0.4541



6.2923, 0.3298, 0.2300

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.



10.7731, 0.3894, 0.2761



10.7731, 0.2996, 0.4541



10.7731, 0.2422, 0.2153

Square

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



10.7731, 0.2996, 0.4541



10.7731, 0.1810, 0.2468



10.7731, 0.3110, 0.2363



10.7731, 0.4638, 0.3842

Rectangle

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



10.7731, 0.2996, 0.4541



10.7731, 0.2031, 0.3327



10.7731, 0.3110, 0.2363



10.7731, 0.4329, 0.3097

Sweetspot

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



10.7735, 0.2996, 0.4541



22.2981, 0.3084, 0.3626



12.5086, 0.3705, 0.4439



5.3967, 0.3080, 0.3663



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.7735, 0.2996, 0.4541



18.6283, 0.2974, 0.4882



11.0952, 0.2720, 0.3815



3.1475, 0.3103, 0.3476



12.2357, 0.2963, 0.5866



63.7425, 0.2979, 0.5925

Inverse Universe

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



6.2923, 0.3298, 0.2300



9.5655, 0.3346, 0.2104



5.8995, 0.3863, 0.2834



2.8836, 0.3153, 0.3111



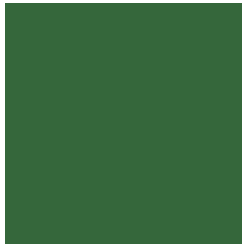
4.5666, 0.3523, 0.1714



23.7320, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 10.7731, 0.2996, 0.4541 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 10.7731, 0.2996, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

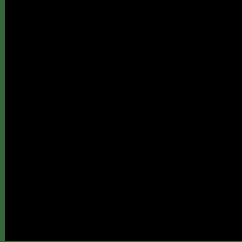
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7731, 0.2996, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 10.7731, 0.2996, 0.4541.



This preview shows how white text looks on a background with the Yxy color 10.7731, 0.2996, 0.4541.

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

10.7731, 0.2996, 0.4541

Protanopia

10.6968, 0.3840, 0.4156

Deuteranopia

10.6533, 0.3911, 0.3852



Tritanopia

10.8120, 0.2580, 0.3111

Trichromacy



Original Color

10.7731, 0.2996, 0.4541

Protanomaly

10.5361, 0.3503, 0.4316

Deuteranomaly

10.3003, 0.3522, 0.4074

Tritanomaly

10.7487, 0.2730, 0.3613

Monochromacy



Original Color

10.7731, 0.2996, 0.4541

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.1845, 0.3075, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7731, 0.2996, 0.4541 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(53, 103, 59)` looks like.

```
.text, #text, p{  
    color:rgb(53, 103, 59)  
}
```

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(53, 103, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 103, 59) }
```

Border

The CSS property to change the border of an element to Yxy 10.7731, 0.2996, 0.4541 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(53, 103, 59) }
```

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

```
.border{ border-color:rgb(53, 103, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 103, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 103, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 103, 59);  
box-shadow:4px 4px 4px 4px rgb(53, 103,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7731, 0.2996, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 103, 59) }
```

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

```
.background{ background-color: rgb(53, 103,  
59) }
```

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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