

Converting Colors

$Y_{xy}(10.0840, 0.5693, 0.3498)$

Have a look what the booklet for
Yxy(10.0840, 0.5693, 0.3498)
contains.

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Color

Yxy(10.0769, 0.5703, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	A3311E
RGB	163, 49, 30
RGB Percent	64%, 19%, 12%
CMY	0.3608, 0.8079, 0.8822
CMYK	0.00, 0.70, 0.82, 0.36
HSL	9°, 69%, 38%
HSV	9°, 82%, 64%
XYZ	16.4384, 10.0769, 2.3088
YIQ	80.9200, 74.0430, 18.2590

Conversions

Conversions Part 2

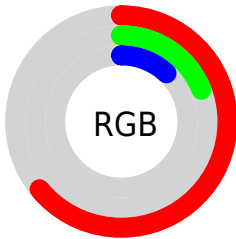
Format	Color
R_{YB}	163, 52, 30
Decimal	10694942
CIE _{Lab}	37.98, 45.90, 37.71
CIE _{LCh}	38, 59.408, 39.405
Yxy	10.0769, 0.5703, 0.3496
Android (android.graphics.Color)	4288885022 (0xFFA3311E)
YUV	80.9200, -25.1036, 71.9842
Hunter-Lab	31.7441, 36.8822, 17.9086

Details

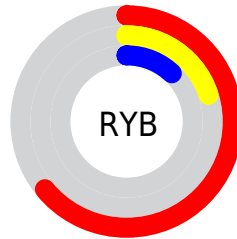
The Yxy color **10.0769, 0.5703, 0.3496** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **22.8796, 0.2191, 0.2927**, and the grayscale version is **8.2518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8718, 0.5071, 0.3566**, and **2.8836, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.0215, 0.6043, 0.3454**, and if you desaturate by 10%, it is **11.5391, 0.5291, 0.3513**.

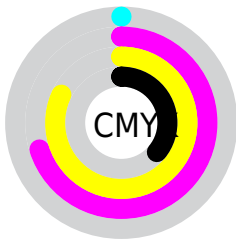
Distribution



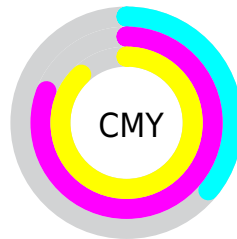
- Red (64%)
- Green (19%)
- Blue (12%)



- Red (64%)
- Yellow (20%)
- Blue (12%)



- Cyan (0%)
- Magenta (70%)
- Yellow (82%)
- Black (36%)





- Cyan (36%)
- Magenta (81%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0769, 0.5703, 0.3496 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 10.0769, 0.5703, 0.3496 by changing the saturation by 10% instead.


 10.0769, 0.5703,
0.3496


 10.0769, 0.5703,
0.3496


191.2200, 0.4143,
0.3519


 5.4500, 0.6161,
0.3382

 25.9400, 0.5076,
0.3567

 2.5136, 0.6829,
0.3171

 37.9450, 0.4856,
0.3571

 0.8834, 0.7411,
0.2589

 53.1782, 0.4679,
0.3567

 0.0000, 1.0000,
0.0000


 72.0239, 0.4533,
0.3559


 0.0000, 0.0000,
0.0000

 94.8665, 0.4411,
0.3550


 122.0905, 0.4308,


0.3539


 154.0802, 0.4220,
0.3529


 10.0769, 0.5703,
0.3496


 10.0769, 0.5703,
0.3496


 9.0215, 0.6043,
0.3454


 11.5391, 0.5291,
0.3513

 8.4101, 0.6257,
0.3413

 13.4425, 0.4862,
0.3506

 15.8199, 0.4456,
0.3482

 18.7003, 0.4097,
0.3447

 22.1106, 0.3791,
0.3409

■ 26.0755, 0.3535,
0.3369

■ 30.6183, 0.3324,
0.3331

■ 35.7610, 0.3151,
0.3295

■ 41.5243, 0.3009,
0.3262

Harmonies

Analogous

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



10.0769, 0.5113, 0.2742



10.0769, 0.5703, 0.3496



10.0769, 0.5352, 0.4350

Triad

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



10.0769, 0.5703, 0.3496



10.0769, 0.2174, 0.5190



10.0769, 0.1583, 0.1473

Complementary

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



10.0769, 0.5703, 0.3496



22.8796, 0.2191, 0.2927

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.



10.0769, 0.1164, 0.1624



10.0769, 0.5703, 0.3496



10.0769, 0.1389, 0.3491

Square

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



10.0769, 0.5703, 0.3496



10.0769, 0.3288, 0.5879



10.0769, 0.1089, 0.2216



10.0769, 0.2439, 0.1635

Rectangle

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



10.0769, 0.5703, 0.3496



10.0769, 0.4790, 0.4999



10.0769, 0.1089, 0.2216



10.0769, 0.1401, 0.1486

Sweetspot

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



10.0775, 0.5703, 0.3496



44.5551, 0.3603, 0.3381



10.7702, 0.3488, 0.1814



9.4609, 0.3690, 0.3394



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.0775, 0.5703, 0.3496



15.0881, 0.6239, 0.3405



19.9719, 0.4719, 0.4407



7.2414, 0.3281, 0.3323



6.5781, 0.6245, 0.3423



0.1824, 0.5745, 0.3821

Inverse Universe

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



22.8796, 0.2191, 0.2927



38.2455, 0.2124, 0.2837



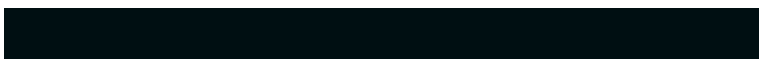
8.4824, 0.1833, 0.1566



7.8382, 0.2988, 0.3257



16.6258, 0.2122, 0.2840



0.3935, 0.2172, 0.3019

Previews

White Background



This preview shows how the Yxy color 10.0769, 0.5703, 0.3496 looks on a white background.

Color Contrast Check

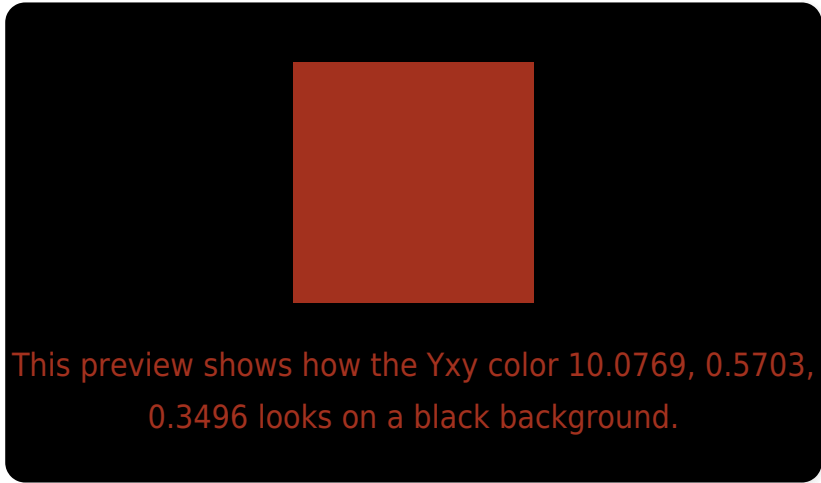
Large Text (above 18pt) WCAG AA ✓ Pass

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

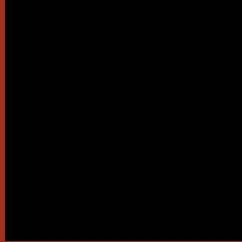
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0769, 0.5703, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 10.0769, 0.5703, 0.3496.



This preview shows how white text looks on a background with the Yxy color 10.0769, 0.5703, 0.3496.

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

10.0769, 0.5703, 0.3496

Protanopia

10.3516, 0.4025, 0.4433

Deuteranopia

10.2800, 0.4571, 0.4525



Tritanopia

10.1473, 0.5445, 0.3273

Trichromacy



Original Color

10.0769, 0.5703, 0.3496

Protanomaly

9.5134, 0.4697, 0.4031

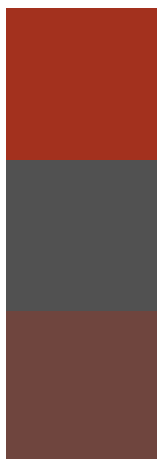
Deuteranomaly

9.7325, 0.5056, 0.4083

Tritanomaly

10.1736, 0.5553, 0.3366

Monochromacy



Original Color

10.0769, 0.5703, 0.3496

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

7.9836, 0.4130, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0769, 0.5703, 0.3496 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(163, 49, 30)` looks like.

```
.text, #text, p{  
    color:rgb(163, 49, 30)  
}
```

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(163, 49, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 49, 30) }
```

Border

The CSS property to change the border of an element to Yxy 10.0769, 0.5703, 0.3496 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(163, 49, 30) }
```

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

```
.border{ border-color:rgb(163, 49, 30) }
```

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

Here you see how a box with a 4 pixel rgb(163, 49, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 49, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 49, 30);  
box-shadow:4px 4px 4px 4px rgb(163, 49,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0769, 0.5703, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 49, 30) }
```

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

```
.background{ background-color: rgb(163, 49,  
30) }
```

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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