

Converting Colors

$Y_{xy}(16.6653, 0.4042, 0.3432)$

Have a look what the booklet for
Yxy(16.6653, 0.4042, 0.3432)
contains.

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Color

Yxy(16.6594, 0.4039, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	99645C
RGB	153, 100, 92
RGB Percent	60%, 39%, 36%
CMY	0.3999, 0.6079, 0.6392
CMYK	0.00, 0.35, 0.40, 0.40
HSL	8°, 25%, 48%
HSV	8°, 40%, 60%
XYZ	19.6287, 16.6594, 12.3099
YIQ	114.9350, 34.1560, 8.7480

Conversions

Conversions Part 2

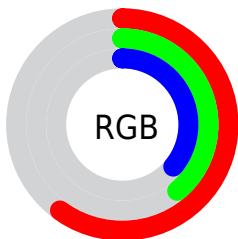
Format	Color
R_{YB}	153, 101, 92
Decimal	10052700
CIE _{Lab}	47.83, 20.42, 13.34
CIE _{LCh}	48, 24.394, 33.153
Yxy	16.6594, 0.4039, 0.3428
Android (android.graphics.Color)	4288242780 (0xFF99645C)
YUV	114.9350, -11.3070, 33.3830
Hunter-Lab	40.8159, 14.4143, 10.6896

Details

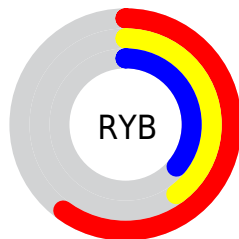
The Yxy color **16.6594, 0.4039, 0.3428** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.8393, 0.2569, 0.3144**, and the grayscale version is **17.1516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6415, 0.3822, 0.3406**, and **5.3626, 0.4475, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **14.0727, 0.4390, 0.3460**, and if you desaturate by 10%, it is **19.7184, 0.3742, 0.3392**.

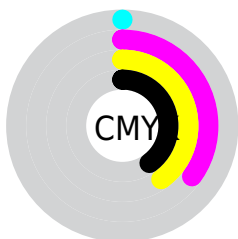
Distribution



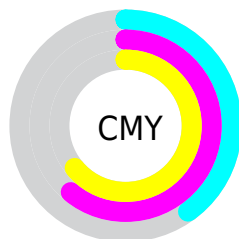
- Red (60%)
- Green (39%)
- Blue (36%)



- Red (60%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (35%)
- Yellow (40%)
- Black (40%)




- Cyan (40%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6594, 0.4039, 0.3428 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 16.6594, 0.4039, 0.3428 by changing the saturation by 10% instead.


 16.6594, 0.4039,
0.3428


 16.6594, 0.4039,
0.3428


233.2019, 0.3501,
0.3363


 9.9920, 0.4210,
0.3439


 37.7392, 0.3819,
0.3407


 5.3936, 0.4458,
0.3447

 52.9204, 0.3744,
0.3398

 2.4800, 0.4843,
0.3439

 71.7083, 0.3684,
0.3390

 0.8666, 0.6180,
0.3773

 94.4872, 0.3634,
0.3383

 0.0000, 1.0000,
0.0000

121.6417, 0.3593,
0.3377

 0.0000, 0.0000,
0.0000

153.5560, 0.3557,

0.3372

190.6146, 0.3527,
0.3367

■ 16.6594, 0.4039,
0.3428

■ 16.6594, 0.4039,
0.3428

■ 14.0727, 0.4390,
0.3460

■ 19.7184, 0.3742,
0.3392

■ 11.9323, 0.4789,
0.3484

■ 23.2689, 0.3495,
0.3356

■ 10.2135, 0.5219,
0.3494


■ 27.3324, 0.3292,
0.3322


■ 8.8883, 0.5640,
0.3483


■ 31.9280, 0.3125,
0.3290

■ 7.9251, 0.5998,
0.3448

■ 37.0741, 0.2988,
0.3260

 7.2815, 0.6265,
0.3405

 42.7881, 0.2875,
0.3233

 7.2747, 0.6268,
0.3405

 49.0866, 0.2782,
0.3209

 55.9856, 0.2704,
0.3187

 63.5004, 0.2638,
0.3167

Harmonies

Analogous

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



16.6594, 0.3743, 0.3053



16.6594, 0.4039, 0.3428



16.6594, 0.4063, 0.3800

Triad

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



16.6594, 0.4039, 0.3428



16.6594, 0.2927, 0.3944



16.6594, 0.2443, 0.2533

Complementary

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



16.6594, 0.4039, 0.3428



24.8393, 0.2569, 0.3144

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.



16.6594, 0.2265, 0.2694



16.6594, 0.4039, 0.3428



16.6594, 0.2526, 0.3510

Square

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



16.6594, 0.4039, 0.3428



16.6594, 0.3402, 0.4155



16.6594, 0.2293, 0.3041



16.6594, 0.2802, 0.2558

Rectangle

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



16.6594, 0.4039, 0.3428



16.6594, 0.3928, 0.4004



16.6594, 0.2293, 0.3041



16.6594, 0.2362, 0.2565

Sweetspot

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



16.6602, 0.4039, 0.3428



47.1268, 0.3336, 0.3330



16.5033, 0.3266, 0.2433



10.2152, 0.3359, 0.3334



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.6602, 0.4039, 0.3428



25.5873, 0.4355, 0.3458



23.4148, 0.3844, 0.3912



6.3465, 0.3280, 0.3320



6.0410, 0.6259, 0.3413



0.1199, 0.5747, 0.3819

Inverse Universe

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



24.8393, 0.2569, 0.3144



42.3203, 0.2465, 0.3105



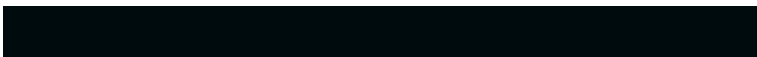
16.9295, 0.2483, 0.2572



6.8887, 0.2989, 0.3260



15.7972, 0.2134, 0.2881



0.2697, 0.2189, 0.3080

Previews

White Background



This preview shows how the Yxy color 16.6594, 0.4039, 0.3428 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 16.6594, 0.4039, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

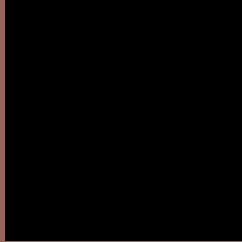
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6594, 0.4039, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 16.6594, 0.4039, 0.3428.



This preview shows how white text looks on a background with the Yxy color 16.6594, 0.4039, 0.3428.

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

16.6594, 0.4039, 0.3428

Protanopia

16.8574, 0.3381, 0.3590

Deuteranopia

16.6620, 0.3722, 0.3651



Tritanopia

16.6253, 0.3865, 0.3174

Trichromacy



Original Color

16.6594, 0.4039, 0.3428

Protanomaly

16.6071, 0.3610, 0.3539

Deuteranomaly

16.6388, 0.3827, 0.3566

Tritanomaly

16.7138, 0.3937, 0.3276

Monochromacy



Original Color

16.6594, 0.4039, 0.3428

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8805, 0.3428, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6594, 0.4039, 0.3428 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(153, 100, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 92)  
}
```

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(153, 100, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 92) }
```

Border

The CSS property to change the border of an element to Yxy 16.6594, 0.4039, 0.3428 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(153, 100, 92) }
```

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

```
.border{ border-color:rgb(153, 100, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6594, 0.4039, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 92) }
```

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

```
.background{ background-color: rgb(153,  
100, 92) }
```

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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