

Converting Colors

$Y_{xy}(10.1929, 0.3194, 0.4527)$

Have a look what the booklet for
Yxy(10.1929, 0.3194, 0.4527)
contains.

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Color

$Y_{xy}(10.2800, 0.3202, 0.4546)$

Conversions

Conversions Part 1

Format	Color
Hex	406336
RGB	64, 99, 54
RGB Percent	25%, 39%, 21%
CMY	0.7491, 0.6117, 0.7882
CMYK	0.35, 0.00, 0.45, 0.61
HSL	107°, 29%, 30%
HSV	107°, 45%, 39%
XYZ	7.2408, 10.2800, 5.0925
YIQ	83.4050, -6.4150, -21.4150

Conversions

Conversions Part 2

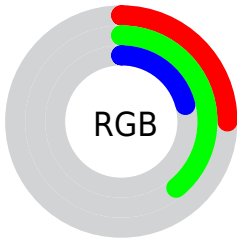
Format	Color
RYB	54, 99, 89
Decimal	4219702
CIELab	38.34, -22.27, 21.63
CIElCh	38, 31.044, 135.829
Yxy	10.2800, 0.3202, 0.4546
Android (android.graphics.Color)	4282409782 (0xFF406336)
YUV	83.4050, -14.4967, -17.0182
Hunter-Lab	32.0624, -15.7980, 13.0266

Details

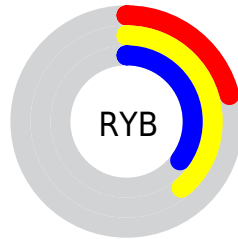
The Yxy color **10.2800, 0.3202, 0.4546** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.6648, 0.2976, 0.2191**, and the grayscale version is **8.7674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2827, 0.3194, 0.4173**, and **2.5971, 0.3141, 0.5388** is the 20% darker color. If you saturate the color by 10%, you get **9.9561, 0.3204, 0.4859**, and if you desaturate by 10%, it is **10.6595, 0.3193, 0.4236**.

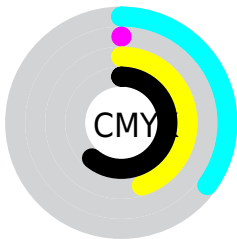
Distribution



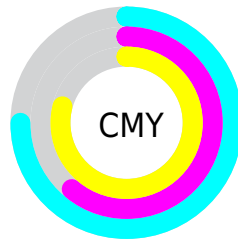
- Red (25%)
- Green (39%)
- Blue (21%)



- Red (21%)
- Yellow (39%)
- Blue (35%)



- Cyan (35%)
- Magenta (0%)
- Yellow (45%)
- Black (61%)




- Cyan (75%)
- Magenta (61%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2800, 0.3202, 0.4546 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 10.2800, 0.3202, 0.4546 by changing the saturation by 10% instead.


 10.2800, 0.3202,
0.4546


 10.2800, 0.3202,
0.4546


192.6590, 0.3178,
0.3730


 5.5850, 0.3187,
0.4862

 26.3208, 0.3203,
0.4182


 2.5944, 0.3147,
0.5399


 38.4355, 0.3199,
0.4068

 0.9239, 0.2655,
0.7345

 53.7921, 0.3195,
0.3980

 0.0000, 0.0000,
0.0000

 72.7751, 0.3191,
0.3910

 95.7689, 0.3188,
0.3853

 123.1579, 0.3184,

0.3805

155.3264, 0.3181,
0.3765

■ 10.2800, 0.3202,
0.4546

■ 10.2800, 0.3202,
0.4546

■ 9.9561, 0.3204,
0.4859

■ 10.6595, 0.3193,
0.4236

■ 9.6837, 0.3197,
0.5161

■ 11.0956, 0.3178,
0.3941

■ 9.4606, 0.3181,
0.5433


■ 11.5912, 0.3160,
0.3666


■ 9.2835, 0.3155,
0.5658

■ 12.1482, 0.3139,
0.3416

■ 9.1472, 0.3124,
0.5833


■ 12.7689, 0.3117,
0.3191

 9.0949, 0.3114,
0.5910

 13.4551, 0.3095,
0.2991

 14.2086, 0.3073,
0.2814

 15.0314, 0.3052,
0.2658

 15.9251, 0.3032,
0.2521

Harmonies

Analogous

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



10.2800, 0.3877, 0.4555



10.2800, 0.3202, 0.4546



10.2800, 0.2543, 0.4042

Triad

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



10.2800, 0.3202, 0.4546



10.2800, 0.1969, 0.2287



10.2800, 0.4282, 0.3143

Complementary

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



10.2800, 0.3202, 0.4546



5.6648, 0.2976, 0.2191

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.



10.2800, 0.3651, 0.2672



10.2800, 0.3202, 0.4546



10.2800, 0.2321, 0.2196

Square

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



10.2800, 0.3202, 0.4546



10.2800, 0.1883, 0.2649



10.2800, 0.2917, 0.2337



10.2800, 0.4553, 0.3675

Rectangle

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



10.2800, 0.3202, 0.4546



10.2800, 0.2202, 0.3541



10.2800, 0.2917, 0.2337



10.2800, 0.4101, 0.2976

Sweetspot

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



10.2804, 0.3202, 0.4546



19.9774, 0.3158, 0.3638



9.9821, 0.3853, 0.4116



4.7160, 0.3161, 0.3678



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.2804, 0.3202, 0.4546



17.0206, 0.3204, 0.4894



10.1026, 0.2927, 0.4244



2.8804, 0.3146, 0.3498



11.8375, 0.3106, 0.5916



62.9039, 0.3074, 0.5941

Inverse Universe

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



5.6648, 0.2976, 0.2191



7.9509, 0.2923, 0.1933



5.9796, 0.3424, 0.2501



2.6025, 0.3106, 0.3087



3.2167, 0.2678, 0.1249



16.7852, 0.2645, 0.1231

Previews

White Background



This preview shows how the Yxy color 10.2800, 0.3202, 0.4546 looks on a white background.

Color Contrast Check

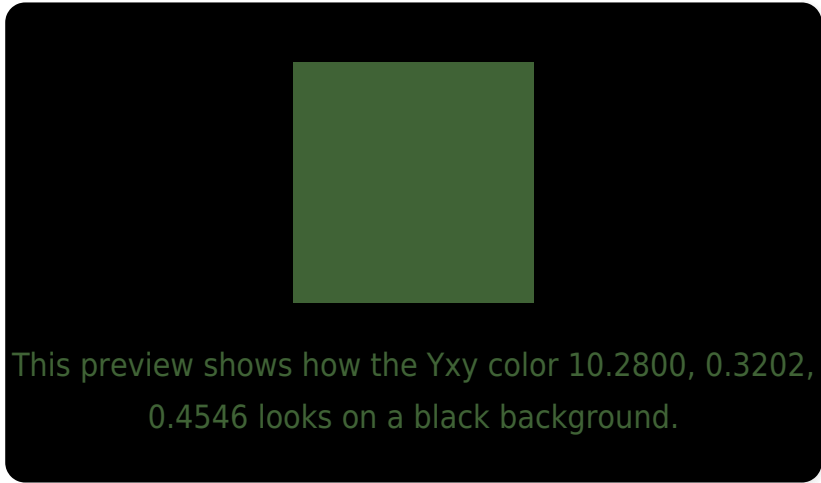
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2800, 0.3202, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 10.2800, 0.3202, 0.4546.



This preview shows how white text looks on a background with the Yxy color 10.2800, 0.3202, 0.4546.

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

10.2800, 0.3202, 0.4546

Protanopia

10.2040, 0.3882, 0.4215

Deuteranopia

10.1391, 0.3992, 0.3949



Tritanopia

10.3227, 0.2720, 0.3112

Trichromacy



Original Color

10.2800, 0.3202, 0.4546

Protanomaly

10.0551, 0.3612, 0.4339

Deuteranomaly

10.0430, 0.3676, 0.4163

Tritanomaly

10.2710, 0.2896, 0.3611

Monochromacy



Original Color

10.2800, 0.3202, 0.4546

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.1491, 0.3170, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2800, 0.3202, 0.4546 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(64, 99, 54)` looks like.

```
.text, #text, p{  
    color:rgb(64, 99, 54)  
}
```

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(64, 99, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 99, 54) }
```

Border

The CSS property to change the border of an element to Yxy 10.2800, 0.3202, 0.4546 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(64, 99, 54) }
```

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

```
.border{ border-color:rgb(64, 99, 54) }
```

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

Here you see how a box with a 4 pixel rgb(64, 99, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 99, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 99, 54);  
box-shadow:4px 4px 4px 4px rgb(64, 99, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2800, 0.3202, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 99, 54) }
```

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

```
.background{ background-color: rgb(64, 99,  
54) }
```

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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