

Converting Colors

$Y_{xy}(10.0156, 0.3200, 0.4229)$

Have a look what the booklet for
Yxy(10.0156, 0.3200, 0.4229)
contains.

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Color

Yxy(10.0156, 0.3200, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	46603E
RGB	70, 96, 62
RGB Percent	27%, 38%, 24%
CMY	0.7254, 0.6235, 0.7569
CMYK	0.27, 0.00, 0.35, 0.62
HSL	106°, 22%, 31%
HSV	106°, 35%, 38%
XYZ	7.5786, 10.0156, 6.0889
YIQ	84.3500, -4.5820, -16.0860

Conversions

Conversions Part 2

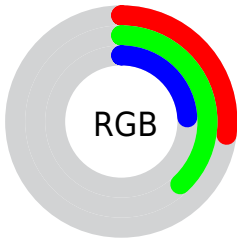
Format	Color
RYB	62, 96, 88
Decimal	4612158
CIELab	37.87, -16.99, 16.40
CIElCh	38, 23.616, 136.023
Yxy	10.0156, 0.3200, 0.4229
Android (android.graphics.Color)	4282802238 (0xFF46603E)
YUV	84.3500, -11.0185, -12.5849
Hunter-Lab	31.6474, -12.6376, 10.7459

Details

The Yxy color **10.0156, 0.3200, 0.4229** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.3614, 0.3010, 0.2438**, and the grayscale version is **8.9664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9152, 0.3188, 0.3961**, and **2.4503, 0.3188, 0.4832** is the 20% darker color. If you saturate the color by 10%, you get **9.6635, 0.3211, 0.4536**, and if you desaturate by 10%, it is **10.4206, 0.3183, 0.3936**.

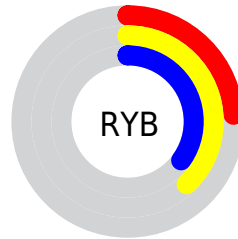
Distribution



 Red (27%)

 Green (38%)

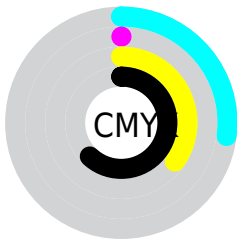
 Blue (24%)




 Red (24%)

 Yellow (38%)

 Blue (35%)

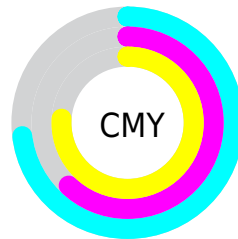


 Cyan (27%)


 Magenta (0%)

 Yellow (35%)

 Black (62%)



 Cyan (73%)


 Magenta (62%)


 Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0156, 0.3200, 0.4229 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 10.0156, 0.3200, 0.4229 by changing the saturation by 10% instead.


 10.0156, 0.3200,
0.4229


 10.0156, 0.3200,
0.4229


190.7834, 0.3167,
0.3621


 5.4093, 0.3199,
0.4465

 25.8248, 0.3191,
0.3958


 2.4894, 0.3182,
0.4853


 37.7966, 0.3187,
0.3874

 0.8713, 0.3217,
0.6783

 52.9922, 0.3182,
0.3808

 0.0000, 0.0000,
0.0000

 71.7962, 0.3178,
0.3756

 94.5929, 0.3175,
0.3713

 121.7668, 0.3172,

0.3677

153.7021, 0.3169,
0.3647

■ 10.0156, 0.3200,
0.4229

■ 10.0156, 0.3200,
0.4229

■ 9.6635, 0.3211,
0.4536

■ 10.4206, 0.3183,
0.3936

■ 9.3607, 0.3215,
0.4846

■ 10.8791, 0.3163,
0.3663

■ 9.1053, 0.3210,
0.5146


■ 11.3935, 0.3140,
0.3415

■ 8.8948, 0.3194,
0.5416


■ 11.9657, 0.3116,
0.3191


■ 8.7265, 0.3168,
0.5642

■ 12.5974, 0.3092,
0.2991


 8.5951, 0.3137,
0.5820

 13.2903, 0.3069,
0.2815

 8.5439, 0.3127,
0.5899

 14.0460, 0.3046,
0.2658

 14.8660, 0.3024,
0.2521

 15.7518, 0.3003,
0.2400

Harmonies

Analogous

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



10.0156, 0.3725, 0.4269



10.0156, 0.3200, 0.4229



10.0156, 0.2681, 0.3852

Triad

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



10.0156, 0.3200, 0.4229



10.0156, 0.2210, 0.2505



10.0156, 0.4014, 0.3192

Complementary

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



10.0156, 0.3200, 0.4229



6.3614, 0.3010, 0.2438

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.



10.0156, 0.3538, 0.2807



10.0156, 0.3200, 0.4229



10.0156, 0.2500, 0.2421

Square

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



10.0156, 0.3200, 0.4229



10.0156, 0.2140, 0.2805



10.0156, 0.2976, 0.2533



10.0156, 0.4226, 0.3623

Rectangle

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



10.0156, 0.3200, 0.4229



10.0156, 0.2406, 0.3486



10.0156, 0.2976, 0.2533



10.0156, 0.3877, 0.3055

Sweetspot

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



10.0160, 0.3200, 0.4229



19.4145, 0.3154, 0.3558



9.7315, 0.3682, 0.3920



4.8012, 0.3156, 0.3581



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.



10.0160, 0.3200, 0.4229



16.9928, 0.3210, 0.4501



9.8378, 0.2973, 0.4013



2.8820, 0.3148, 0.3498



11.8586, 0.3116, 0.5908



63.0015, 0.3083, 0.5934

Inverse Universe

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



6.3614, 0.3010, 0.2438



9.4763, 0.2970, 0.2219



6.6267, 0.3331, 0.2664



2.6008, 0.3104, 0.3087



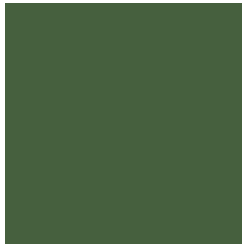
3.1391, 0.2643, 0.1230



16.3545, 0.2608, 0.1211

Previews

White Background



This preview shows how the Yxy color 10.0156, 0.3200, 0.4229 looks on a white background.

Color Contrast Check

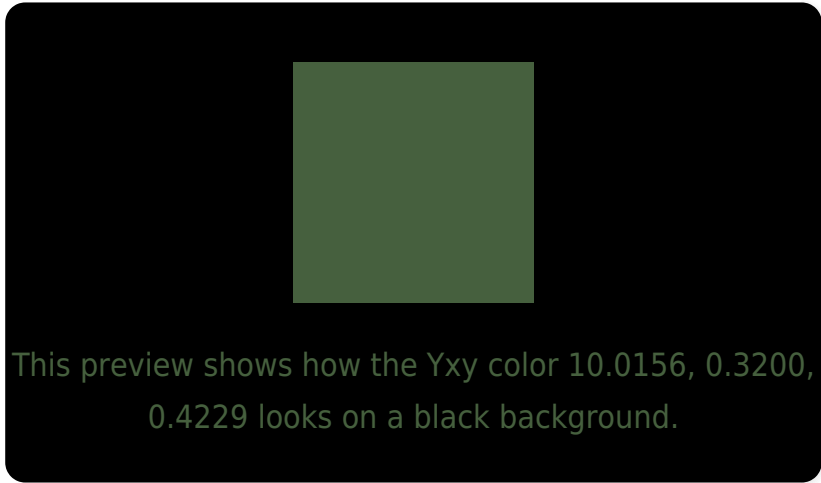
Large Text (above 18pt) WCAG AA ✓ Pass

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

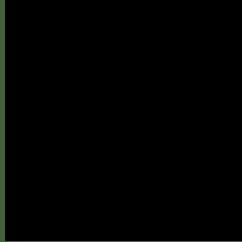
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0156, 0.3200, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 10.0156, 0.3200, 0.4229.



This preview shows how white text looks on a background with the Yxy color 10.0156, 0.3200, 0.4229.

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

10.0156, 0.3200, 0.4229

Protanopia

9.9473, 0.3718, 0.4026

Deuteranopia

9.8704, 0.3831, 0.3782



Tritanopia

9.9195, 0.2792, 0.3086

Trichromacy



Original Color

10.0156, 0.3200, 0.4229

Protanomaly

10.0068, 0.3523, 0.4112

Deuteranomaly

9.7789, 0.3584, 0.3946

Tritanomaly

9.9564, 0.2938, 0.3474

Monochromacy



Original Color

10.0156, 0.3200, 0.4229

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.1635, 0.3161, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0156, 0.3200, 0.4229 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(70, 96, 62)` looks like.

```
.text, #text, p{  
    color:rgb(70, 96, 62)  
}
```

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(70, 96, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 96, 62) }
```

Border

The CSS property to change the border of an element to Yxy 10.0156, 0.3200, 0.4229 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(70, 96, 62) }
```

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

```
.border{ border-color:rgb(70, 96, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 96, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 96, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 96, 62);  
box-shadow:4px 4px 4px 4px rgb(70, 96, 62)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0156, 0.3200, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 96, 62) }
```

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

```
.background{ background-color: rgb(70, 96,  
62) }
```

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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