

Converting Colors

$Y_{xy}(10.2121, 0.3228, 0.4551)$

Have a look what the booklet for
Yxy(10.2121, 0.3228, 0.4551)
contains.

Yxy(10.1162, 0.3232, 0.4547)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.1162, 0.3232, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	416235
RGB	65, 98, 53
RGB Percent	25%, 38%, 21%
CMY	0.7451, 0.6157, 0.7922
CMYK	0.34, 0.00, 0.46, 0.62
HSL	104°, 30%, 30%
HSV	104°, 46%, 38%
XYZ	7.1906, 10.1162, 4.9413
YIQ	83.0030, -5.2230, -20.9910

Conversions

Conversions Part 2

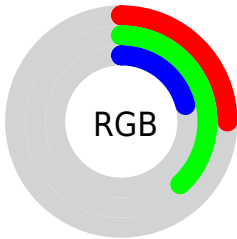
Format	Color
RYB	53, 98, 86
Decimal	4284981
CIELab	38.05, -21.51, 21.85
CIELCh	38, 30.660, 134.544
Yxy	10.1162, 0.3232, 0.4547
Android (android.graphics.Color)	4282475061 (0xFF416235)
YUV	83.0030, -14.7915, -15.7886
Hunter-Lab	31.8060, -15.3058, 13.0530

Details

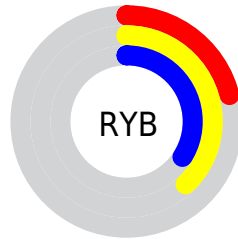
The Yxy color **10.1162, 0.3232, 0.4547** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.4057, 0.2934, 0.2168**, and the grayscale version is **8.6828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9924, 0.3224, 0.4192**, and **2.5236, 0.3212, 0.5418** is the 20% darker color. If you saturate the color by 10%, you get **9.8057, 0.3239, 0.4854**, and if you desaturate by 10%, it is **10.4773, 0.3217, 0.4242**.

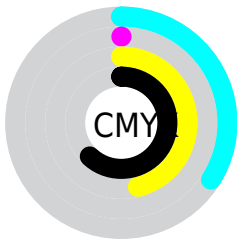
Distribution



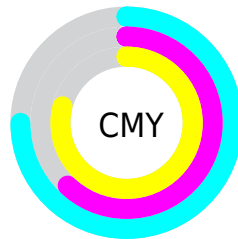
- Red (25%)
- Green (38%)
- Blue (21%)



- Red (21%)
- Yellow (38%)
- Blue (34%)



- Cyan (34%)
- Magenta (0%)
- Yellow (46%)
- Black (62%)





- Cyan (75%)
- Magenta (62%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1162, 0.3232, 0.4547 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 10.1162, 0.3232, 0.4547 by changing the saturation by 10% instead.


 10.1162, 0.3232,
0.4547


 10.1162, 0.3232,
0.4547

191.4994, 0.3189,
0.3730


 5.4761, 0.3223,
0.4863

 26.0138, 0.3225,
0.4182


 2.5292, 0.3199,
0.5414


 38.0401, 0.3218,
0.4069

 0.8912, 0.2654,
0.7346

 53.2973, 0.3212,
0.3980

 0.0000, 0.0000,
0.0000

 72.1696, 0.3207,
0.3910

 95.0416, 0.3202,
0.3852

 122.2977, 0.3197,

0.3805

154.3221, 0.3193,
0.3764

■ 10.1162, 0.3232,
0.4547

■ 10.1162, 0.3232,
0.4547

■ 9.8057, 0.3239,
0.4854

■ 10.4773, 0.3217,
0.4242

■ 9.5420, 0.3235,
0.5149

■ 10.8897, 0.3196,
0.3949

■ 9.3233, 0.3220,
0.5415


■ 11.3560, 0.3171,
0.3676

■ 9.1466, 0.3193,
0.5636


■ 11.8780, 0.3144,
0.3426

■ 9.0067, 0.3160,
0.5811

■ 12.4575, 0.3116,
0.3201

 8.9572, 0.3150,
0.5881

 13.0962, 0.3087,
0.2999

 13.7959, 0.3059,
0.2820

 14.5580, 0.3033,
0.2662

 15.3842, 0.3007,
0.2522

Harmonies

Analogous

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



10.1162, 0.3899, 0.4537



10.1162, 0.3232, 0.4547



10.1162, 0.2573, 0.4066

Triad

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



10.1162, 0.3232, 0.4547



10.1162, 0.1967, 0.2303



10.1162, 0.4253, 0.3123

Complementary

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



10.1162, 0.3232, 0.4547



5.4057, 0.2934, 0.2168

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.



10.1162, 0.3616, 0.2659



10.1162, 0.3232, 0.4547



10.1162, 0.2306, 0.2201

Square

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



10.1162, 0.3232, 0.4547



10.1162, 0.1893, 0.2676



10.1162, 0.2889, 0.2333



10.1162, 0.4540, 0.3650

Rectangle

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



10.1162, 0.3232, 0.4547



10.1162, 0.2227, 0.3572



10.1162, 0.2889, 0.2333



10.1162, 0.4068, 0.2957

Sweetspot

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



10.1166, 0.3232, 0.4547



20.0316, 0.3167, 0.3637



9.3901, 0.3882, 0.4074



4.7300, 0.3171, 0.3677



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.



10.1166, 0.3232, 0.4547



17.1476, 0.3239, 0.4876



9.8484, 0.2952, 0.4322



2.8854, 0.3152, 0.3498



11.9077, 0.3140, 0.5889



63.2329, 0.3105, 0.5917

Inverse Universe

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



5.4057, 0.2934, 0.2168



7.7464, 0.2870, 0.1912



5.8514, 0.3378, 0.2446



2.5973, 0.3100, 0.3087



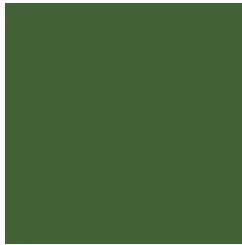
2.9796, 0.2571, 0.1190



15.4715, 0.2532, 0.1168

Previews

White Background



This preview shows how the Yxy color 10.1162, 0.3232, 0.4547 looks on a white background.

Color Contrast Check

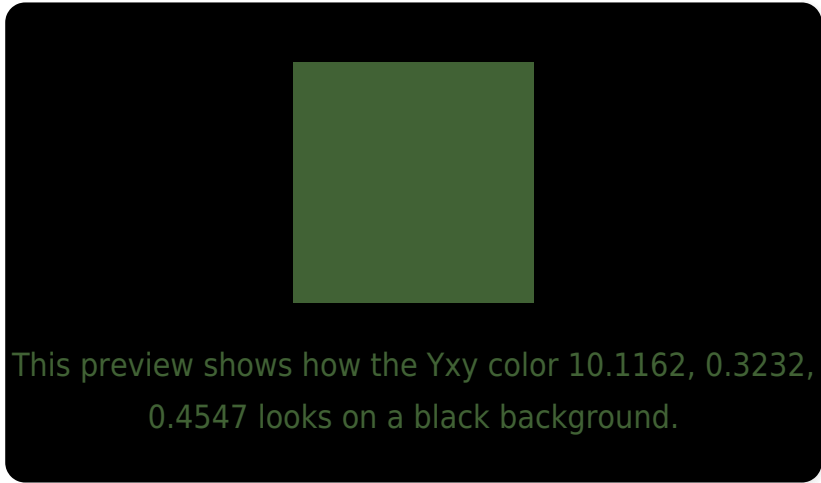
Large Text (above 18pt) WCAG AA ✓ Pass

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

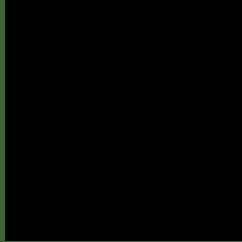
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1162, 0.3232, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 10.1162, 0.3232, 0.4547.



This preview shows how white text looks on a background with the Yxy color 10.1162, 0.3232, 0.4547.

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

10.1162, 0.3232, 0.4547

Protanopia

9.9717, 0.3890, 0.4223

Deuteranopia

9.9707, 0.4019, 0.3949



Tritanopia

10.1653, 0.2743, 0.3111

Trichromacy



Original Color

10.1162, 0.3232, 0.4547

Protanomaly

9.8717, 0.3634, 0.4342

Deuteranomaly

9.8635, 0.3699, 0.4165

Tritanomaly

10.1110, 0.2922, 0.3612

Monochromacy



Original Color

10.1162, 0.3232, 0.4547

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.9838, 0.3172, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1162, 0.3232, 0.4547 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(65, 98, 53)` looks like.

```
.text, #text, p{  
    color:rgb(65, 98, 53)  
}
```

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(65, 98, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 98, 53) }
```

Border

The CSS property to change the border of an element to Yxy 10.1162, 0.3232, 0.4547 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(65, 98, 53) }
```

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

```
.border{ border-color:rgb(65, 98, 53) }
```

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

Here you see how a box with a 4 pixel rgb(65, 98, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 98, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 98, 53);  
box-shadow:4px 4px 4px 4px rgb(65, 98, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1162, 0.3232, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 98, 53) }
```

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

```
.background{ background-color: rgb(65, 98,  
53) }
```

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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