

Converting Colors

$Y_{xy}(10.0881, 0.2848, 0.4546)$

Have a look what the booklet for
Yxy(10.0881, 0.2848, 0.4546)
contains.

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Color

Yxy(10.0742, 0.2854, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	28653B
RGB	40, 101, 59
RGB Percent	16%, 40%, 23%
CMY	0.8430, 0.6039, 0.7687
CMYK	0.60, 0.00, 0.42, 0.60
HSL	139°, 43%, 28%
HSV	139°, 60%, 40%
XYZ	6.3191, 10.0742, 5.7478
YIQ	77.9730, -22.8740, -25.9940

Conversions

Conversions Part 2

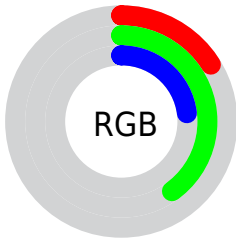
Format	Color
R_{YB}	40, 87, 101
Decimal	2647355
CIE _{Lab}	37.98, -30.10, 18.03
CIE _{LCh}	38, 35.087, 149.069
Y _{xy}	10.0742, 0.2854, 0.4550
Android (android.graphics.Color)	4280837435 (0xFF28653B)
YUV	77.9730, -9.3537, -33.3023
Hunter-Lab	31.7399, -20.0074, 11.4810




Details

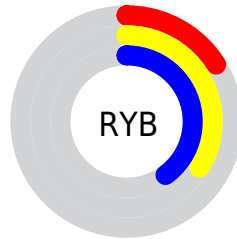
The Yxy color **10.0742, 0.2854, 0.4550** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **4.8968, 0.3629, 0.2323**, and the grayscale version is **7.6364, 0.3127, 0.3290**.




A 20% lighter version of the original color is **26.0681, 0.2942, 0.4177**, and **2.5836, 0.2808, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **9.8304, 0.2836, 0.4800**, and if you desaturate by 10%, it is **10.3815, 0.2884, 0.4304**.

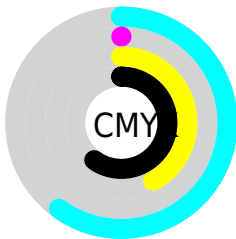
Distribution







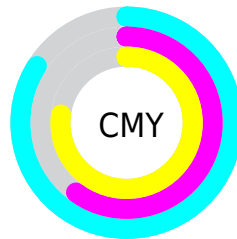
-  Red (16%)
-  Green (40%)
-  Blue (23%)






-  Red (16%)
-  Yellow (34%)
-  Blue (40%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (42%)
-  Black (60%)




-  Cyan (84%)
-  Magenta (60%)
-  Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0742, 0.2854, 0.4550 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 10.0742, 0.2854, 0.4550 by changing the saturation by 10% instead.


 10.0742, 0.2854,
0.4550


 10.0742, 0.2854,
0.4550


191.2008, 0.3047,
0.3721


 5.4482, 0.2763,
0.4883

 25.9350, 0.2947,
0.4175


 2.5126, 0.2594,
0.5443


 37.9385, 0.2974,
0.4060

 0.8829, 0.1058,
0.8942

 53.1700, 0.2994,
0.3971

 0.0000, 0.0000,
0.0000

 72.0139, 0.3010,
0.3901

 94.8545, 0.3022,
0.3843

 122.0763, 0.3032,

0.3796

154.0636, 0.3040,
0.3756

■ 10.0742, 0.2854,
0.4550

■ 10.0742, 0.2854,
0.4550

■ 9.8304, 0.2836,
0.4800

■ 10.3815, 0.2884,
0.4304

■ 9.6441, 0.2831,
0.5043

■ 10.7550, 0.2924,
0.4067

■ 9.5105, 0.2841,
0.5270

■ 11.1990, 0.2970,
0.3846

■ 9.4081, 0.2853,
0.5471

■ 11.7170, 0.3020,
0.3643

■ 12.3122, 0.3072,
0.3460

■ 12.9876, 0.3125,
0.3296

■ 13.7461, 0.3178,
0.3150

■ 14.5905, 0.3228,
0.3021

■ 15.5234, 0.3277,
0.2908

Harmonies

Analogous

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



10.0742, 0.3629, 0.4797



10.0742, 0.2854, 0.4550



10.0742, 0.2196, 0.3772

Triad

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



10.0742, 0.2854, 0.4550



10.0742, 0.1971, 0.2089



10.0742, 0.4638, 0.3365

Complementary

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



10.0742, 0.2854, 0.4550



4.8968, 0.3629, 0.2323

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.



10.0742, 0.4072, 0.2811



10.0742, 0.2854, 0.4550



10.0742, 0.2482, 0.2112

Square

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



10.0742, 0.2854, 0.4550



10.0742, 0.1747, 0.2342



10.0742, 0.3243, 0.2369



10.0742, 0.4707, 0.3958

Rectangle

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



10.0742, 0.2854, 0.4550



10.0742, 0.1907, 0.3183



10.0742, 0.3243, 0.2369



10.0742, 0.4498, 0.3173

Sweetspot

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



10.0746, 0.2854, 0.4550



20.2952, 0.3030, 0.3608



11.2864, 0.3635, 0.4782



4.9420, 0.3018, 0.3650



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.0746, 0.2854, 0.4550



16.7489, 0.2832, 0.4890



10.4770, 0.2539, 0.3632



3.1554, 0.3080, 0.3435



12.3299, 0.2860, 0.5497



64.1655, 0.2888, 0.5598

Inverse Universe

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



4.8968, 0.3629, 0.2323



6.9751, 0.3792, 0.2168



4.5369, 0.4476, 0.3008



2.8753, 0.3178, 0.3149



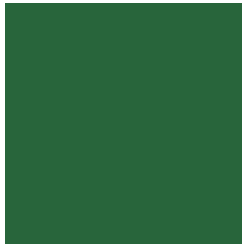
4.1935, 0.4139, 0.2054



21.7091, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 10.0742, 0.2854, 0.4550 looks on a white background.

Color Contrast Check

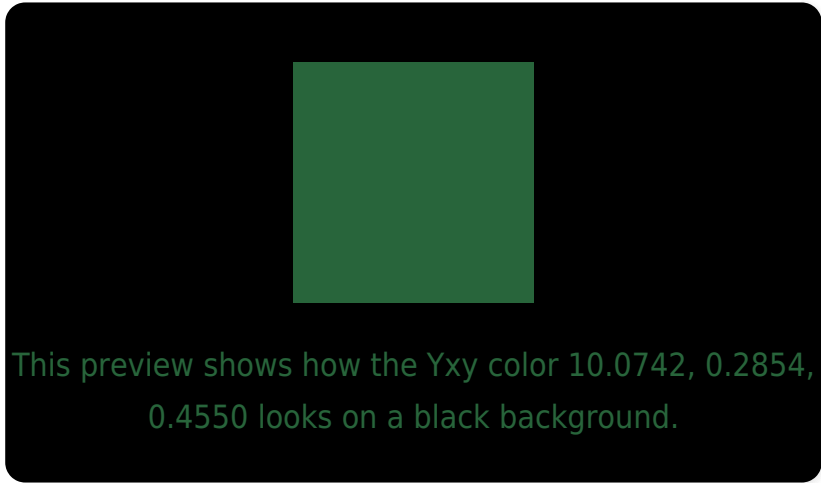
Large Text (above 18pt) WCAG AA ✓ Pass

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

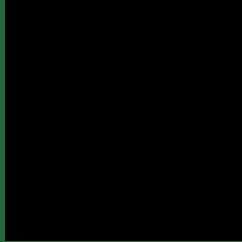
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0742, 0.2854, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 10.0742, 0.2854, 0.4550.



This preview shows how white text looks on a background with the Yxy color 10.0742, 0.2854, 0.4550.

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

10.0742, 0.2854, 0.4550

Protanopia

9.9525, 0.3812, 0.4139

Deuteranopia

9.9201, 0.3866, 0.3801



Tritanopia

10.1221, 0.2478, 0.3077

Trichromacy



Original Color

10.0742, 0.2854, 0.4550

Protanomaly

9.6507, 0.3387, 0.4296

Deuteranomaly

9.6238, 0.3413, 0.4060

Tritanomaly

10.0683, 0.2605, 0.3570

Monochromacy



Original Color

10.0742, 0.2854, 0.4550

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.2005, 0.2994, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0742, 0.2854, 0.4550 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(40, 101, 59)` looks like.

```
.text, #text, p{  
    color:rgb(40, 101, 59)  
}
```

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(40, 101, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 101, 59) }
```

Border

The CSS property to change the border of an element to Yxy 10.0742, 0.2854, 0.4550 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(40, 101, 59) }
```

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

```
.border{ border-color:rgb(40, 101, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 101, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 101, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 101, 59);  
box-shadow:4px 4px 4px 4px rgb(40, 101,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0742, 0.2854, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 101, 59) }
```

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

```
.background{ background-color: rgb(40, 101,  
59) }
```

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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