

Converting Colors

$Y_{xy}(10.3764, 0.2906, 0.4553)$

Have a look what the booklet for
Yxy(10.3764, 0.2906, 0.4553)
contains.

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Color

Yxy(10.3764, 0.2906, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	2D663B
RGB	45, 102, 59
RGB Percent	18%, 40%, 23%
CMY	0.8235, 0.6000, 0.7686
CMYK	0.56, 0.00, 0.42, 0.60
HSL	135°, 39%, 29%
HSV	135°, 56%, 40%
XYZ	6.6228, 10.3764, 5.7910
YIQ	80.0550, -20.1690, -25.4570

Conversions

Conversions Part 2

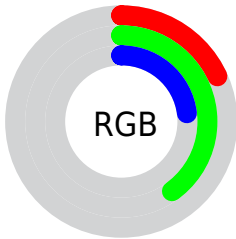
Format	Color
R_{YB}	45, 91, 102
Decimal	2975291
CIE _{Lab}	38.51, -29.21, 18.77
CIE _{LCh}	39, 34.717, 147.274
Yxy	10.3764, 0.2906, 0.4553
Android (android.graphics.Color)	4281165371 (0xFF2D663B)
YUV	80.0550, -10.3801, -30.7432
Hunter-Lab	32.2124, -19.6723, 11.8898

Details

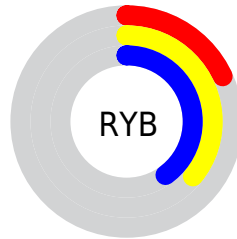
The Yxy color **10.3764, 0.2906, 0.4553** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.4062, 0.3491, 0.2307**, and the grayscale version is **8.0570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6595, 0.2986, 0.4182**, and **2.6757, 0.2814, 0.5329** is the 20% darker color. If you saturate the color by 10%, you get **10.0987, 0.2886, 0.4823**, and if you desaturate by 10%, it is **10.7227, 0.2936, 0.4287**.

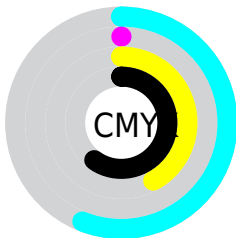
Distribution



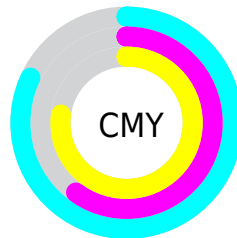
- Red (18%)
- Green (40%)
- Blue (23%)



- Red (18%)
- Yellow (36%)
- Blue (40%)



- Cyan (56%)
- Magenta (0%)
- Yellow (42%)
- Black (60%)



- Cyan (82%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3764, 0.2906, 0.4553 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 10.3764, 0.2906, 0.4553 by changing the saturation by 10% instead.


 10.3764, 0.2906,
0.4553

 10.3764, 0.2906,
0.4553


193.3378, 0.3066,
0.3726


 5.6492, 0.2827,
0.4882

 26.5011, 0.2985,
0.4181


 2.6330, 0.2678,
0.5428

 38.6674, 0.3007,
0.4066

 0.9433, 0.1621,
0.8379

 54.0823, 0.3024,
0.3977

 0.0000, 0.0000,
0.0000

 73.1300, 0.3036,
0.3906

 96.1950, 0.3046,
0.3848

 123.6617, 0.3054,

0.3801

155.9145, 0.3061,
0.3760

■ 10.3764, 0.2906,
0.4553

■ 10.3764, 0.2906,
0.4553

■ 10.0987, 0.2886,
0.4823

■ 10.7227, 0.2936,
0.4287

■ 9.8837, 0.2877,
0.5087

■ 11.1404, 0.2972,
0.4035

■ 9.7266, 0.2881,
0.5331

■ 11.6338, 0.3013,
0.3800

■ 9.6152, 0.2894,
0.5547

■ 12.2066, 0.3057,
0.3585

■ 9.5736, 0.2897,
0.5628

■ 12.8620, 0.3101,
0.3393

■ 13.6031, 0.3145,
0.3222

■ 14.4329, 0.3188,
0.3071

■ 15.3544, 0.3229,
0.2939

■ 16.3700, 0.3268,
0.2823

Harmonies

Analogous

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



10.3764, 0.3667, 0.4762



10.3764, 0.2906, 0.4553



10.3764, 0.2246, 0.3815

Triad

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



10.3764, 0.2906, 0.4553



10.3764, 0.1970, 0.2117



10.3764, 0.4587, 0.3333

Complementary

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



10.3764, 0.2906, 0.4553



5.4062, 0.3491, 0.2307

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.



10.3764, 0.4008, 0.2790



10.3764, 0.2906, 0.4553



10.3764, 0.2457, 0.2124

Square

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



10.3764, 0.2906, 0.4553



10.3764, 0.1766, 0.2385



10.3764, 0.3193, 0.2364



10.3764, 0.4688, 0.3916

Rectangle

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



10.3764, 0.2906, 0.4553



10.3764, 0.1949, 0.3236



10.3764, 0.3193, 0.2364



10.3764, 0.4440, 0.3144

Sweetspot

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



10.3768, 0.2906, 0.4553



21.2360, 0.3050, 0.3618



11.8018, 0.3670, 0.4649



4.9780, 0.3044, 0.3645



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.



10.3768, 0.2906, 0.4553



17.5842, 0.2882, 0.4904



10.7460, 0.2607, 0.3713



3.1526, 0.3088, 0.3449



12.2892, 0.2903, 0.5650



63.9741, 0.2928, 0.5741

Inverse Universe

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



5.4062, 0.3491, 0.2307



7.8803, 0.3607, 0.2128



5.0300, 0.4218, 0.2931



2.8781, 0.3169, 0.3136



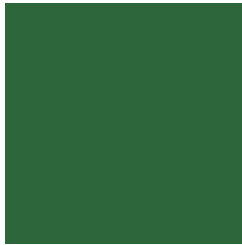
4.3090, 0.3911, 0.1928



22.3303, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 10.3764, 0.2906, 0.4553 looks on a white background.

Color Contrast Check

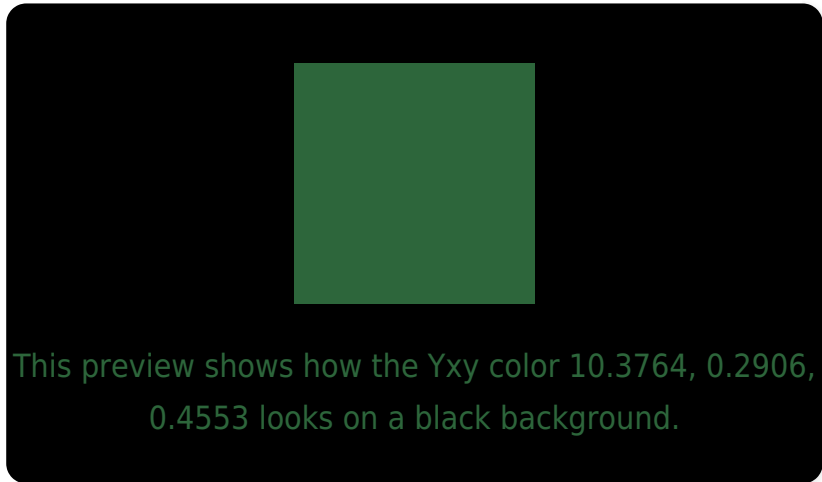
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3764, 0.2906, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 10.3764, 0.2906, 0.4553.



This preview shows how white text looks on a background with the Yxy color 10.3764, 0.2906, 0.4553.

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

10.3764, 0.2906, 0.4553

Protanopia

10.2313, 0.3839, 0.4148

Deuteranopia

10.2026, 0.3893, 0.3816



Tritanopia

10.4187, 0.2522, 0.3106

Trichromacy



Original Color

10.3764, 0.2906, 0.4553

Protanomaly

9.9532, 0.3432, 0.4302

Deuteranomaly

9.9334, 0.3459, 0.4070

Tritanomaly

10.3851, 0.2661, 0.3592

Monochromacy



Original Color

10.3764, 0.2906, 0.4553

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.6406, 0.3026, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3764, 0.2906, 0.4553 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(45, 102, 59)` looks like.

```
.text, #text, p{  
    color:rgb(45, 102, 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(45, 102, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 102, 59) }
```

Border

The CSS property to change the border of an element to Yxy 10.3764, 0.2906, 0.4553 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(45, 102, 59) }
```

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

```
.border{ border-color:rgb(45, 102, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 102, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 102, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 102, 59);  
box-shadow:4px 4px 4px 4px rgb(45, 102,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3764, 0.2906, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 102, 59) }
```

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

```
.background{ background-color: rgb(45, 102,  
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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