

Converting Colors

$Y_{xy}(11.4204, 0.2765, 0.4156)$

Have a look what the booklet for
Yxy(11.4204, 0.2765, 0.4156)
contains.

Yxy(11.4204, 0.2765, 0.4156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.4204, 0.2765, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	2F6A4B
RGB	47, 106, 75
RGB Percent	18%, 42%, 29%
CMY	0.8155, 0.5843, 0.7059
CMYK	0.56, 0.00, 0.29, 0.58
HSL	148°, 39%, 30%
HSV	148°, 56%, 42%
XYZ	7.5980, 11.4204, 8.4609
YIQ	84.8250, -25.2130, -22.1490

Conversions

Conversions Part 2

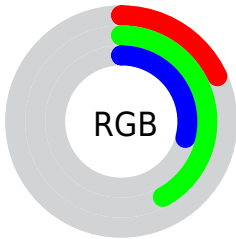
Format	Color
RYB	47, 87, 106
Decimal	3107403
CIELab	40.28, -27.20, 11.69
CIElCh	40, 29.601, 156.743
Yxy	11.4204, 0.2765, 0.4156
Android (android.graphics.Color)	4281297483 (0xFF2F6A4B)
YUV	84.8250, -4.8437, -33.1725
Hunter-Lab	33.7941, -19.0069, 8.8117




Details

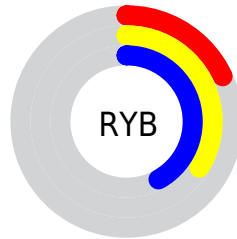
The Yxy color **11.4204, 0.2765, 0.4156** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.6516, 0.3815, 0.2586**, and the grayscale version is **9.0628, 0.3127, 0.3290**.




A 20% lighter version of the original color is **28.5056, 0.2868, 0.3911**, and **3.1250, 0.2631, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **11.1256, 0.2729, 0.4348**, and if you desaturate by 10%, it is **11.7841, 0.2814, 0.3972**.

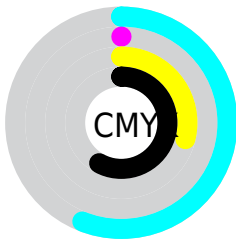
Distribution







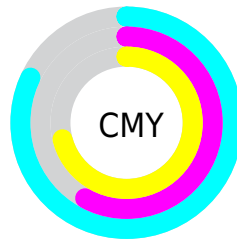
-  Red (18%)
-  Green (42%)
-  Blue (29%)






-  Red (18%)
-  Yellow (34%)
-  Blue (42%)



-  Cyan (56%)
-  Magenta (0%)
-  Yellow (29%)
-  Black (58%)




-  Cyan (82%)
-  Magenta (58%)
-  Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4204, 0.2765, 0.4156 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 11.4204, 0.2765, 0.4156 by changing the saturation by 10% instead.


 11.4204, 0.2765,
0.4156


 11.4204, 0.2765,
0.4156


 200.5295, 0.2999,
0.3601


 6.3503, 0.2675,
0.4368


 28.4350, 0.2869,
0.3911


 3.0593, 0.2526,
0.4714

 41.1483, 0.2901,
0.3833


 1.1628, 0.2086,
0.5807

 57.1782, 0.2926,
0.3773

 0.0310, 0.0000,
1.0000

 76.9090, 0.2947,
0.3725

 0.0000, 0.0000,
0.0000

 100.7251, 0.2963,
0.3686

 129.0110, 0.2977,

0.3653

162.1510, 0.2989,
0.3625

■ 11.4204, 0.2765,
0.4156

■ 11.4204, 0.2765,
0.4156

■ 11.1256, 0.2729,
0.4348

■ 11.7841, 0.2814,
0.3972

■ 10.8935, 0.2709,
0.4543

■ 12.2195, 0.2873,
0.3799

■ 10.7194, 0.2707,
0.4736

■ 12.7309, 0.2939,
0.3638

■ 10.5917, 0.2719,
0.4924

■ 13.3220, 0.3011,
0.3491

■ 10.5399, 0.2724,
0.5006

■ 13.9960, 0.3085,
0.3358

■ 14.7561, 0.3160,
0.3239

■ 15.6054, 0.3235,
0.3133

■ 16.5466, 0.3308,
0.3039

■ 17.5824, 0.3379,
0.2956

Harmonies

Analogous

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



11.4204, 0.3400, 0.4491



11.4204, 0.2765, 0.4156



11.4204, 0.2259, 0.3502

Triad

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



11.4204, 0.2765, 0.4156



11.4204, 0.2254, 0.2273



11.4204, 0.4408, 0.3506

Complementary

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



11.4204, 0.2765, 0.4156



5.6516, 0.3815, 0.2586

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.



11.4204, 0.4040, 0.3016



11.4204, 0.2765, 0.4156



11.4204, 0.2748, 0.2340

Square

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



11.4204, 0.2765, 0.4156



11.4204, 0.1997, 0.2436



11.4204, 0.3405, 0.2605



11.4204, 0.4377, 0.3999

Rectangle

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



11.4204, 0.2765, 0.4156



11.4204, 0.2054, 0.3054



11.4204, 0.3405, 0.2605



11.4204, 0.4327, 0.3338

Sweetspot

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



11.4209, 0.2765, 0.4156



23.1787, 0.2997, 0.3518



12.1533, 0.3460, 0.4752



5.3958, 0.2987, 0.3537



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.4209, 0.2765, 0.4156



19.3834, 0.2721, 0.4411



11.9129, 0.2474, 0.3339



3.4665, 0.3060, 0.3402



13.0745, 0.2729, 0.5025



66.4469, 0.2757, 0.5124

Inverse Universe

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



5.6516, 0.3815, 0.2586



8.0956, 0.4070, 0.2458



5.3228, 0.4589, 0.3250



3.1409, 0.3200, 0.3181



4.1470, 0.4772, 0.2402



20.9538, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 11.4204, 0.2765, 0.4156 looks on a white background.

Color Contrast Check

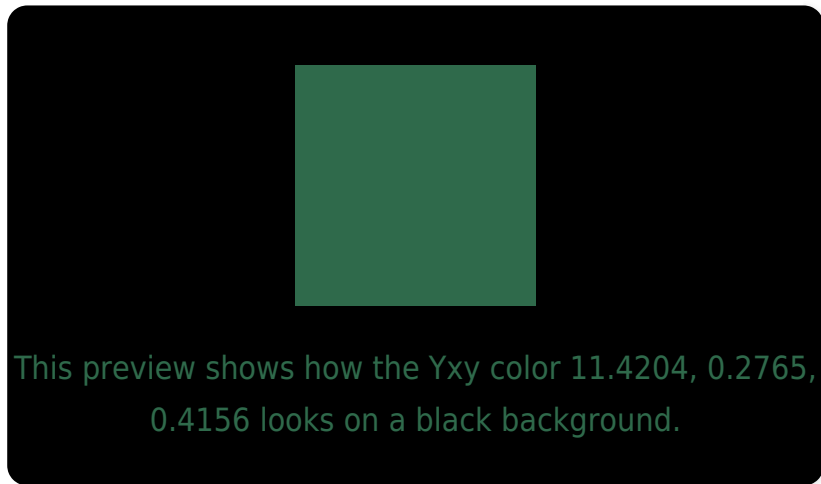
Large Text (above 18pt) WCAG AA ✓ Pass

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

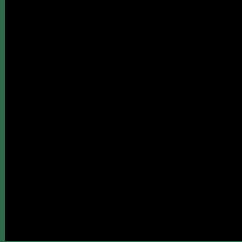
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4204, 0.2765, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 11.4204, 0.2765, 0.4156.



This preview shows how white text looks on a background with the Yxy color 11.4204, 0.2765, 0.4156.

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

11.4204, 0.2765, 0.4156

Protanopia

11.2143, 0.3600, 0.3854

Deuteranopia

11.2834, 0.3627, 0.3583



Tritanopia

11.4984, 0.2485, 0.3088

Trichromacy



Original Color

11.4204, 0.2765, 0.4156

Protanomaly

10.9526, 0.3229, 0.3960

Deuteranomaly

10.8800, 0.3242, 0.3769

Tritanomaly

11.3204, 0.2581, 0.3447

Monochromacy



Original Color

11.4204, 0.2765, 0.4156

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.7624, 0.2961, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4204, 0.2765, 0.4156 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(47, 106, 75)` looks like.

```
.text, #text, p{  
    color:rgb(47, 106, 75)  
}
```

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(47, 106, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 106, 75) }
```

Border

The CSS property to change the border of an element to Yxy 11.4204, 0.2765, 0.4156 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(47, 106, 75) }
```

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

```
.border{ border-color:rgb(47, 106, 75) }
```

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

Here you see how a box with a 4 pixel rgb(47, 106, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 106, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 106, 75);  
box-shadow:4px 4px 4px 4px rgb(47, 106,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4204, 0.2765, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 106, 75) }
```

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

```
.background{ background-color: rgb(47, 106,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor