

Converting Colors

$Y_{xy}(12.5854, 0.2681, 0.4083)$

Have a look what the booklet for
Yxy(12.5854, 0.2681, 0.4083)
contains.

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Color

Yxy(12.4917, 0.2676, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	2B6F52
RGB	43, 111, 82
RGB Percent	17%, 44%, 32%
CMY	0.8314, 0.5647, 0.6785
CMYK	0.61, 0.00, 0.26, 0.56
HSL	154°, 44%, 30%
HSV	154°, 61%, 44%
XYZ	8.2031, 12.4917, 9.9596
YIQ	87.3620, -31.2190, -23.4350

Conversions

Conversions Part 2

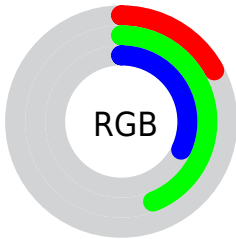
Format	Color
RYB	43, 86, 111
Decimal	2846546
CIELab	41.99, -28.98, 9.86
CIElCh	42, 30.615, 161.204
Yxy	12.4917, 0.2676, 0.4075
Android (android.graphics.Color)	4281036626 (0xFF2B6F52)
YUV	87.3620, -2.6435, -38.9055
Hunter-Lab	35.3436, -20.4220, 8.0329

Details

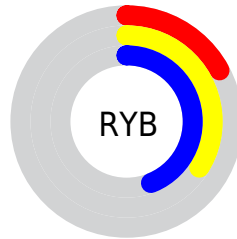
The Yxy color **12.4917, 0.2676, 0.4075** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.5749, 0.4106, 0.2665**, and the grayscale version is **9.6236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3199, 0.2805, 0.3862**, and **3.5788, 0.2581, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **12.2145, 0.2642, 0.4232**, and if you desaturate by 10%, it is **12.8402, 0.2726, 0.3923**.

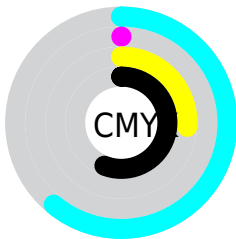
Distribution



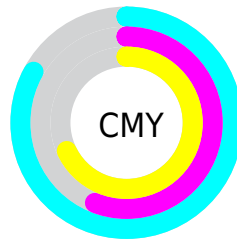
- Red (17%)
- Green (44%)
- Blue (32%)



- Red (17%)
- Yellow (34%)
- Blue (44%)



- Cyan (61%)
- Magenta (0%)
- Yellow (26%)
- Black (56%)




- Cyan (83%)
- Magenta (56%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4917, 0.2676, 0.4075 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 12.4917, 0.2676, 0.4075 by changing the saturation by 10% instead.


 12.4917, 0.2676,
0.4075


 12.4917, 0.2676,
0.4075


 207.6338, 0.2959,
0.3579


 7.0795, 0.2573,
0.4258


 30.3875, 0.2798,
0.3859


 3.5119, 0.2411,
0.4552

 43.6399, 0.2838,
0.3790

 1.4044, 0.2041,
0.5176

 60.2745, 0.2869,
0.3736

 0.2200, 0.0000,
1.0000

 80.6756, 0.2894,
0.3692

 0.0000, 0.0000,
0.0000

 105.2277, 0.2914,
0.3656

 134.3152, 0.2931,

0.3626

168.3225, 0.2946,
0.3601

■ 12.4917, 0.2676,
0.4075

■ 12.4917, 0.2676,
0.4075

■ 12.2145, 0.2642,
0.4232

■ 12.8402, 0.2726,
0.3923

■ 12.0016, 0.2625,
0.4390

■ 13.2635, 0.2788,
0.3779

■ 11.8470, 0.2627,
0.4548

■ 13.7664, 0.2861,
0.3644

■ 11.7359, 0.2635,
0.4685

■ 14.3532, 0.2942,
0.3519

■ 15.0276, 0.3027,
0.3405

■ 15.7933, 0.3116,
0.3302

■ 16.6536, 0.3205,
0.3210

■ 17.6117, 0.3294,
0.3127

■ 18.6707, 0.3382,
0.3054

Harmonies

Analogous

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



12.4917, 0.3304, 0.4475



12.4917, 0.2676, 0.4075



12.4917, 0.2200, 0.3399

Triad

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



12.4917, 0.2676, 0.4075



12.4917, 0.2311, 0.2265



12.4917, 0.4435, 0.3582

Complementary

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



12.4917, 0.2676, 0.4075



5.5749, 0.4106, 0.2665

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.



12.4917, 0.4121, 0.3085



12.4917, 0.2676, 0.4075



12.4917, 0.2837, 0.2365

Square

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



12.4917, 0.2676, 0.4075



12.4917, 0.2016, 0.2393



12.4917, 0.3509, 0.2656



12.4917, 0.4344, 0.4069

Rectangle

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



12.4917, 0.2676, 0.4075



12.4917, 0.2020, 0.2962



12.4917, 0.3509, 0.2656



12.4917, 0.4374, 0.3413

Sweetspot

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



12.4922, 0.2676, 0.4075



26.0196, 0.2965, 0.3487



12.9397, 0.3384, 0.4961



6.1863, 0.2946, 0.3514



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.4922, 0.2676, 0.4075



21.6759, 0.2632, 0.4307



12.0663, 0.2385, 0.3173



3.7923, 0.3047, 0.3381



13.8232, 0.2638, 0.4697



68.6839, 0.2661, 0.4780

Inverse Universe

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



5.5749, 0.4106, 0.2665



8.0595, 0.4490, 0.2582



5.6295, 0.4835, 0.3390



3.4229, 0.3215, 0.3201



4.2225, 0.5181, 0.2627



20.8683, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 12.4917, 0.2676, 0.4075 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



This preview shows how the Yxy color 12.4917, 0.2676, 0.4075 looks on a 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 12.4917, 0.2676, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 12.4917, 0.2676, 0.4075.



This preview shows how white text looks on a background with the Yxy color 12.4917, 0.2676, 0.4075.

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

12.4917, 0.2676, 0.4075

Protanopia

12.2604, 0.3554, 0.3789

Deuteranopia

12.3670, 0.3547, 0.3486



Tritanopia

12.5375, 0.2436, 0.3093

Trichromacy



Original Color

12.4917, 0.2676, 0.4075

Protanomaly

12.0444, 0.3154, 0.3914

Deuteranomaly

12.0379, 0.3152, 0.3678

Tritanomaly

12.3825, 0.2518, 0.3416

Monochromacy



Original Color

12.4917, 0.2676, 0.4075

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3612, 0.2911, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4917, 0.2676, 0.4075 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(43, 111, 82)` looks like.

```
.text, #text, p{  
    color:rgb(43, 111, 82)  
}
```

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(43, 111, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 111, 82) }
```

Border

The CSS property to change the border of an element to Yxy 12.4917, 0.2676, 0.4075 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(43, 111, 82) }
```

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

```
.border{ border-color:rgb(43, 111, 82) }
```

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

Here you see how a box with a 4 pixel rgb(43, 111, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 111, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 111, 82);  
box-shadow:4px 4px 4px 4px rgb(43, 111,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4917, 0.2676, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 111, 82) }
```

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

```
.background{ background-color: rgb(43, 111,  
82) }
```

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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