

Converting Colors

$Y_{xy}(12.4404, 0.2686, 0.4085)$

Have a look what the booklet for
Yxy(12.4404, 0.2686, 0.4085)
contains.

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Color

Yxy(12.4984, 0.2694, 0.4102)

Conversions

Conversions Part 1

Format	Color
Hex	2C6F51
RGB	44, 111, 81
RGB Percent	17%, 44%, 32%
CMY	0.8274, 0.5647, 0.6824
CMYK	0.60, 0.00, 0.27, 0.56
HSL	153°, 43%, 30%
HSV	153°, 60%, 44%
XYZ	8.2084, 12.4984, 9.7623
YIQ	87.5470, -30.3020, -23.5340

Conversions

Conversions Part 2

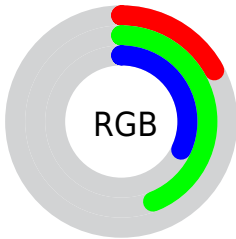
Format	Color
RYB	44, 87, 111
Decimal	2912081
CIELab	42.00, -28.98, 10.48
CIElCh	42, 30.818, 160.117
Yxy	12.4984, 0.2694, 0.4102
Android (android.graphics.Color)	4281102161 (0xFF2C6F51)
YUV	87.5470, -3.2277, -38.1907
Hunter-Lab	35.3531, -20.4233, 8.3750

Details

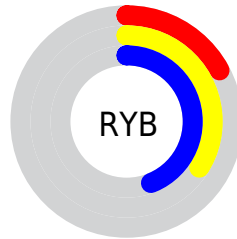
The Yxy color **12.4984, 0.2694, 0.4102** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.6766, 0.4045, 0.2641**, and the grayscale version is **9.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2929, 0.2812, 0.3881**, and **3.5726, 0.2595, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **12.2132, 0.2660, 0.4267**, and if you desaturate by 10%, it is **12.8559, 0.2743, 0.3943**.

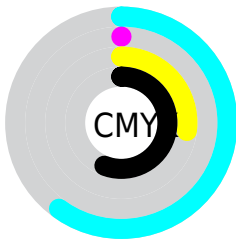
Distribution



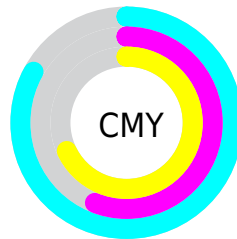
- Red (17%)
- Green (44%)
- Blue (32%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (56%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4984, 0.2694, 0.4102 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 12.4984, 0.2694, 0.4102 by changing the saturation by 10% instead.


 12.4984, 0.2694,
0.4102


 12.4984, 0.2694,
0.4102


207.6775, 0.2967,
0.3588


 7.0841, 0.2594,
0.4292


 30.3996, 0.2812,
0.3878


 3.5147, 0.2436,
0.4597

 43.6553, 0.2850,
0.3806


 1.4060, 0.2075,
0.5257

 60.2936, 0.2880,
0.3750

 0.2211, 0.0000,
1.0000

 80.6989, 0.2904,
0.3705

 0.0000, 0.0000,
0.0000

 105.2555, 0.2924,
0.3668

 134.3479, 0.2940,

0.3637

168.3604, 0.2954,
0.3611

■ 12.4984, 0.2694,
0.4102

■ 12.4984, 0.2694,
0.4102

■ 12.2132, 0.2660,
0.4267

■ 12.8559, 0.2743,
0.3943

■ 11.9932, 0.2643,
0.4434

■ 13.2891, 0.2805,
0.3791

■ 11.8326, 0.2645,
0.4599

■ 13.8029, 0.2876,
0.3650

■ 11.7091, 0.2655,
0.4757

■ 14.4014, 0.2955,
0.3520

■ 15.0885, 0.3038,
0.3401

■ 15.8676, 0.3124,
0.3294

■ 16.7422, 0.3211,
0.3197

■ 17.7155, 0.3296,
0.3112

■ 18.7906, 0.3380,
0.3036

Harmonies

Analogous

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



12.4984, 0.3329, 0.4489



12.4984, 0.2694, 0.4102



12.4984, 0.2208, 0.3425

Triad

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



12.4984, 0.2694, 0.4102



12.4984, 0.2291, 0.2260



12.4984, 0.4439, 0.3564

Complementary

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



12.4984, 0.2694, 0.4102



5.6766, 0.4045, 0.2641

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.



12.4984, 0.4109, 0.3066



12.4984, 0.2694, 0.4102



12.4984, 0.2813, 0.2353

Square

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



12.4984, 0.2694, 0.4102



12.4984, 0.2003, 0.2397



12.4984, 0.3486, 0.2639



12.4984, 0.4361, 0.4057

Rectangle

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



12.4984, 0.2694, 0.4102



12.4984, 0.2021, 0.2982



12.4984, 0.3486, 0.2639



12.4984, 0.4373, 0.3395

Sweetspot

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



12.4989, 0.2694, 0.4102



26.0040, 0.2970, 0.3497



13.0133, 0.3398, 0.4927



6.1821, 0.2951, 0.3526



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.



12.4989, 0.2694, 0.4102



21.7138, 0.2652, 0.4327



12.3354, 0.2398, 0.3204



3.7912, 0.3050, 0.3386



13.7921, 0.2658, 0.4770



68.5287, 0.2682, 0.4857

Inverse Universe

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



5.6766, 0.4045, 0.2641



8.3143, 0.4379, 0.2552



5.6236, 0.4812, 0.3365



3.4240, 0.3212, 0.3196



4.2458, 0.5093, 0.2580



20.9814, 0.5221, 0.2650

Previews

White Background



This preview shows how the Yxy color 12.4984, 0.2694, 0.4102 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 12.4984, 0.2694, 0.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

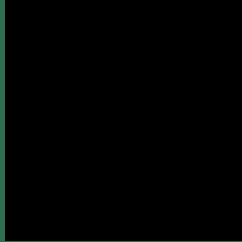
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4984, 0.2694, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 12.4984, 0.2694, 0.4102.



This preview shows how white text looks on a background with the Yxy color 12.4984, 0.2694, 0.4102.

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

12.4984, 0.2694, 0.4102

Protanopia

12.2466, 0.3568, 0.3812

Deuteranopia

12.3510, 0.3562, 0.3508



Tritanopia

12.5654, 0.2444, 0.3094

Trichromacy



Original Color

12.4984, 0.2694, 0.4102

Protanomaly

12.0753, 0.3181, 0.3937

Deuteranomaly

12.0222, 0.3166, 0.3703

Tritanomaly

12.4082, 0.2526, 0.3416

Monochromacy



Original Color

12.4984, 0.2694, 0.4102

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.3993, 0.2924, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4984, 0.2694, 0.4102 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(44, 111, 81)` looks like.

```
.text, #text, p{  
    color:rgb(44, 111, 81)  
}
```

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(44, 111, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 111, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.4984, 0.2694, 0.4102 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(44, 111, 81) }
```

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

```
.border{ border-color:rgb(44, 111, 81) }
```

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

Here you see how a box with a 4 pixel rgb(44, 111, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 111, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 111, 81);  
box-shadow:4px 4px 4px 4px rgb(44, 111,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4984, 0.2694, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 111, 81) }
```

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

```
.background{ background-color: rgb(44, 111,  
81) }
```

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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