

Converting Colors

$Y_{xy}(12.0417, 0.2764, 0.2995)$

Have a look what the booklet for
Yxy(12.0417, 0.2764, 0.2995)
contains.

Yxy(12.0248, 0.2768, 0.2990)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.0248, 0.2768, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	556370
RGB	85, 99, 112
RGB Percent	33%, 39%, 44%
CMY	0.6667, 0.6117, 0.5608
CMYK	0.24, 0.12, 0.00, 0.56
HSL	209°, 14%, 39%
HSV	209°, 24%, 44%
XYZ	11.1320, 12.0248, 17.0599
YIQ	96.2960, -12.5170, 1.0750

Conversions

Conversions Part 2

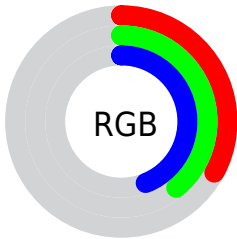
Format	Color
R _Y B	85, 94, 112
Decimal	5596016
CIE Lab	41.26, -2.16, -9.10
CIE LCh	41, 9.357, 256.665
Yxy	12.0248, 0.2768, 0.2990
Android (android.graphics.Color)	4283786096 (0xFF556370)
YUV	96.2960, 7.7421, -9.9066
Hunter-Lab	34.6768, -3.3821, -4.8951

Details

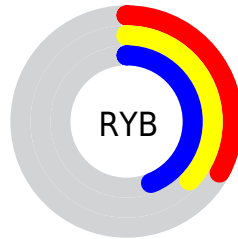
The Yxy color **12.0248, 0.2768, 0.2990** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8318, 0.3532, 0.3572**, and the grayscale version is **11.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6439, 0.2856, 0.3068**, and **3.3477, 0.2590, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **10.5549, 0.2614, 0.2844**, and if you desaturate by 10%, it is **13.6467, 0.2920, 0.3123**.

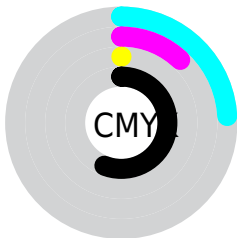
Distribution



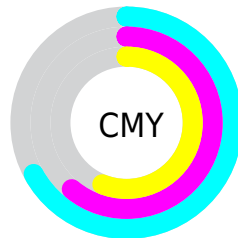
- Red (33%)
- Green (39%)
- Blue (44%)



- Red (33%)
- Yellow (37%)
- Blue (44%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (67%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0248, 0.2768, 0.2990 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 12.0248, 0.2768, 0.2990 by changing the saturation by 10% instead.

■ 12.0248, 0.2768,
0.2990

■ 12.0248, 0.2768,
0.2990

■ 204.5694, 0.2986,
0.3174

■ 6.7606, 0.2694,
0.2927

■ 29.5403, 0.2859,
0.3068

■ 3.3128, 0.2583,
0.2830

■ 42.5603, 0.2890,
0.3093

■ 1.2971, 0.2397,
0.2666

■ 58.9344, 0.2914,
0.3113

■ 0.1390, 0.0789,
0.1381

■ 79.0469, 0.2933,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 103.2823, 0.2950,
0.3144

132.0249, 0.2964,

0.3155

165.6591, 0.2975,
0.3165

■ 12.0248, 0.2768,
0.2990

■ 12.0248, 0.2768,
0.2990

■ 10.5549, 0.2614,
0.2844

■ 13.6467, 0.2920,
0.3123

■ 9.2305, 0.2462,
0.2687

■ 15.4242, 0.3068,
0.3244

■ 8.0463, 0.2315,
0.2520

■ 17.3623, 0.3210,
0.3353

■ 6.9964, 0.2177,
0.2346

■ 19.4656, 0.3346,
0.3449

■ 6.0743, 0.2053,
0.2168

■ 21.7382, 0.3474,
0.3535

■ 5.2727, 0.1946,
0.1990

■ 24.1844, 0.3594,
0.3611

■ 4.5811, 0.1859,
0.1815

■ 26.8079, 0.3706,
0.3677

■ 4.2073, 0.1809,
0.1714

■ 29.6127, 0.3810,
0.3736

■ 32.6023, 0.3907,
0.3787

Harmonies

Analogous

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



12.0248, 0.2737, 0.3117



12.0248, 0.2768, 0.2990



12.0248, 0.2892, 0.2946

Triad

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



12.0248, 0.2768, 0.2990



12.0248, 0.3457, 0.3268



12.0248, 0.3162, 0.3618

Complementary

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



12.0248, 0.2768, 0.2990



12.8318, 0.3532, 0.3572

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.



12.0248, 0.3359, 0.3652



12.0248, 0.2768, 0.2990



12.0248, 0.3533, 0.3442

Square

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



12.0248, 0.2768, 0.2990



12.0248, 0.3289, 0.3104



12.0248, 0.3497, 0.3584



12.0248, 0.2961, 0.3487

Rectangle

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



12.0248, 0.2768, 0.2990



12.0248, 0.3014, 0.2965



12.0248, 0.3497, 0.3584



12.0248, 0.3231, 0.3641

Sweetspot

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



12.0253, 0.2768, 0.2990



26.1102, 0.3023, 0.3208



14.3911, 0.2951, 0.3622



6.2436, 0.3017, 0.3204



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.



12.0253, 0.2768, 0.2990



19.6361, 0.2681, 0.2909



9.7400, 0.2744, 0.2675



3.5601, 0.2996, 0.3186



4.8189, 0.1806, 0.1702



22.2693, 0.1781, 0.1612

Inverse Universe

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



10.8416, 0.3358, 0.2988



17.2741, 0.3427, 0.2914



15.4881, 0.3473, 0.3839



3.4277, 0.3202, 0.3181



4.3323, 0.4804, 0.2420



21.4058, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 12.0248, 0.2768, 0.2990 looks on a white background.

Color Contrast Check

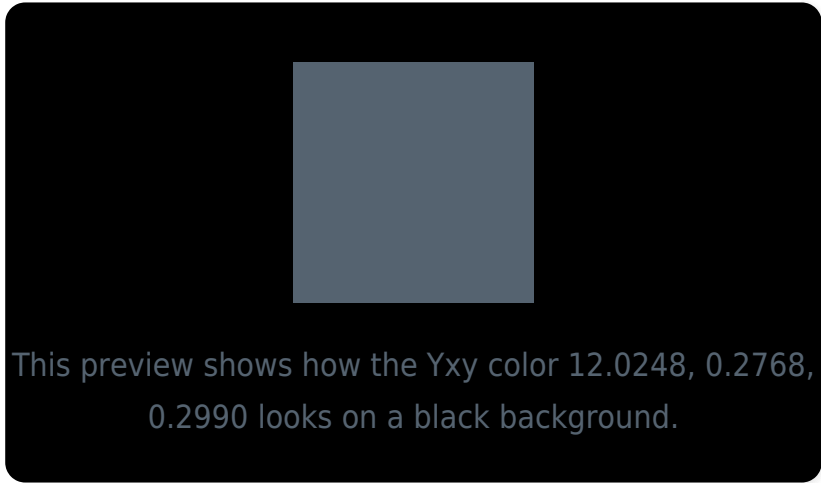
Large Text (above 18pt) WCAG AA ✓ Pass

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

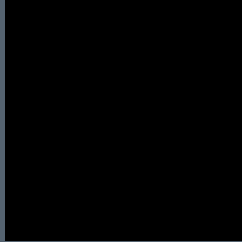
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

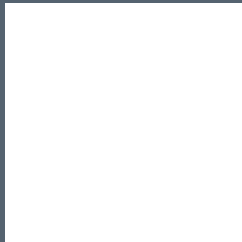
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.0248, 0.2768, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 12.0248, 0.2768, 0.2990.

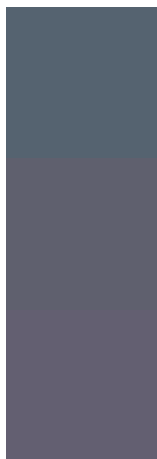


This preview shows how white text looks on a background with the Yxy color 12.0248, 0.2768, 0.2990.

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

12.0248, 0.2768, 0.2990

Protanopia

11.9244, 0.2924, 0.2975

Deuteranopia

12.0293, 0.2941, 0.2895



Tritanopia

12.0819, 0.2804, 0.3102

Trichromacy



Original Color

12.0248, 0.2768, 0.2990

Protanomaly

11.9212, 0.2856, 0.2972

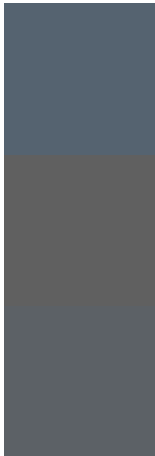
Deuteranomaly

11.9377, 0.2871, 0.2910

Tritanomaly

12.1033, 0.2792, 0.3080

Monochromacy



Original Color

12.0248, 0.2768, 0.2990

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7840, 0.2986, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0248, 0.2768, 0.2990 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(85, 99, 112) looks like.

```
.text, #text, p{  
    color:rgb(85, 99, 112)  
}
```

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(85, 99, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 99, 112) }
```

Border

The CSS property to change the border of an element to Yxy 12.0248, 0.2768, 0.2990 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(85, 99, 112) }
```

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

```
.border{ border-color:rgb(85, 99, 112) }
```

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

Here you see how a box with a 4 pixel rgb(85, 99, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 99, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 99, 112);  
box-shadow:4px 4px 4px 4px rgb(85, 99,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0248, 0.2768, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 99, 112) }
```

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

```
.background{ background-color: rgb(85, 99,  
112) }
```

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