

Converting Colors

$Y_{xy}(16.0984, 0.2636, 0.2678)$

Have a look what the booklet for
Yxy(16.0984, 0.2636, 0.2678)
contains.

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Color

Yxy(16.0047, 0.2630, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	636F8F
RGB	99, 111, 143
RGB Percent	39%, 44%, 56%
CMY	0.6117, 0.5647, 0.4393
CMYK	0.31, 0.22, 0.00, 0.44
HSL	224°, 18%, 47%
HSV	224°, 31%, 56%
XYZ	15.7886, 16.0047, 28.2394
YIQ	111.0600, -17.4240, 7.4080

Conversions

Conversions Part 2

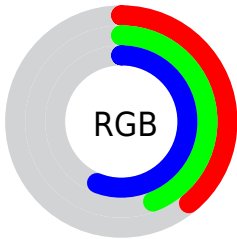
Format	Color
R _Y B	99, 108, 143
Decimal	6516623
CIE Lab	46.98, 3.39, -18.96
CIE LCh	47, 19.257, 280.131
Yxy	16.0047, 0.2630, 0.2666
Android (android.graphics.Color)	4284706703 (0xFF636F8F)
YUV	111.0600, 15.7464, -10.5766
Hunter-Lab	40.0059, 0.4359, -13.8475

Details

The Yxy color **16.0047, 0.2630, 0.2666** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.9747, 0.3630, 0.3844**, and the grayscale version is **15.8729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8049, 0.2748, 0.2814**, and **5.1609, 0.2416, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **13.1303, 0.2451, 0.2421**, and if you desaturate by 10%, it is **19.2874, 0.2803, 0.2892**.

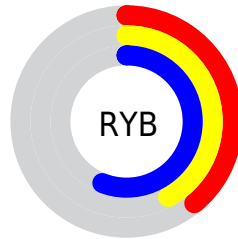
Distribution



Red (39%)

Green (44%)

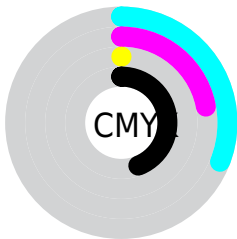
Blue (56%)



Red (39%)

Yellow (42%)

Blue (56%)

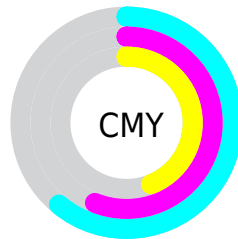


Cyan (31%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0047, 0.2630, 0.2666 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 16.0047, 0.2630, 0.2666 by changing the saturation by 10% instead.

■ 16.0047, 0.2630,
0.2666

■ 16.0047, 0.2630,
0.2666

■ 229.3695, 0.2919,
0.3025

■ 9.5275, 0.2540,
0.2557

■ 36.6064, 0.2747,
0.2810

■ 5.0868, 0.2412,
0.2404

■ 51.4996, 0.2787,
0.2859

■ 2.2983, 0.2217,
0.2173

■ 69.9670, 0.2820,
0.2900

■ 0.7728, 0.1889,
0.1786

■ 92.3928, 0.2847,
0.2933

■ 0.0000, 0.0000,
0.0000

■ 119.1616, 0.2869,
0.2962

■ 150.6577, 0.2888,

0.2986

187.2655, 0.2905,
0.3007

■ 16.0047, 0.2630,
0.2666

■ 16.0047, 0.2630,
0.2666

■ 13.1303, 0.2451,
0.2421

■ 19.2874, 0.2803,
0.2892

■ 10.6458, 0.2270,
0.2160

■ 22.9920, 0.2965,
0.3095

■ 8.5340, 0.2094,
0.1892

■ 27.1340, 0.3116,
0.3277

■ 6.7756, 0.1932,
0.1625

■ 31.7273, 0.3255,
0.3438

■ 5.3496, 0.1792,
0.1372

■ 36.7852, 0.3380,
0.3579

■ 4.2321, 0.1682,
0.1147

■ 42.3206, 0.3494,
0.3702

■ 3.4315, 0.1602,
0.0968

■ 48.3457, 0.3597,
0.3810

■ 54.8724, 0.3689,
0.3904

■ 61.9121, 0.3772,
0.3985

Harmonies

Analogous

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



16.0047, 0.2445, 0.2768



16.0047, 0.2630, 0.2666



16.0047, 0.2952, 0.2716

Triad

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



16.0047, 0.2630, 0.2666



16.0047, 0.3880, 0.3484



16.0047, 0.2887, 0.3737

Complementary

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



16.0047, 0.2630, 0.2666



22.9747, 0.3630, 0.3844

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.



16.0047, 0.3266, 0.3954



16.0047, 0.2630, 0.2666



16.0047, 0.3851, 0.3773

Square

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



16.0047, 0.2630, 0.2666



16.0047, 0.3690, 0.3171



16.0047, 0.3621, 0.3956



16.0047, 0.2585, 0.3380

Rectangle

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



16.0047, 0.2630, 0.2666



16.0047, 0.3211, 0.2825



16.0047, 0.3621, 0.3956



16.0047, 0.3009, 0.3830

Sweetspot

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



16.0053, 0.2630, 0.2666



42.2878, 0.2990, 0.3125



23.9215, 0.2804, 0.3524



9.4819, 0.2969, 0.3100



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.0053, 0.2630, 0.2666



24.9727, 0.2504, 0.2495



14.1324, 0.2717, 0.2450



5.4793, 0.2990, 0.3125



3.0659, 0.1605, 0.0976



0.0620, 0.1819, 0.1748

Inverse Universe

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



15.9135, 0.3609, 0.3078



25.0233, 0.3766, 0.3028



25.5673, 0.3465, 0.4060



5.4467, 0.3241, 0.3230



5.2958, 0.5795, 0.2966



0.0539, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 16.0047, 0.2630, 0.2666 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 16.0047, 0.2630, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

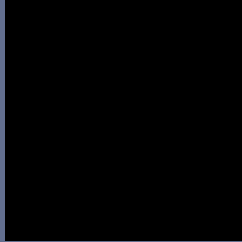
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

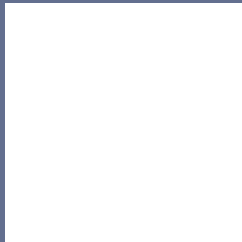
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0047, 0.2630, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 16.0047, 0.2630, 0.2666.

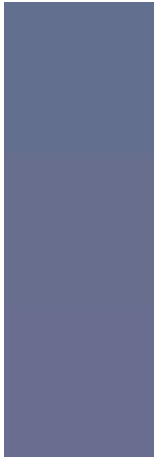


This preview shows how white text looks on a background with the Yxy color 16.0047, 0.2630, 0.2666.

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

16.0047, 0.2630, 0.2666

Protanopia

15.9884, 0.2681, 0.2670

Deuteranopia

15.9237, 0.2692, 0.2637



Tritanopia

15.9228, 0.2781, 0.3081

Trichromacy



Original Color

16.0047, 0.2630, 0.2666

Protanomaly

15.9296, 0.2670, 0.2669

Deuteranomaly

16.0186, 0.2671, 0.2653

Tritanomaly

15.9357, 0.2719, 0.2922

Monochromacy



Original Color

16.0047, 0.2630, 0.2666

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9247, 0.2932, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0047, 0.2630, 0.2666 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(99, 111, 143) looks like.

```
.text, #text, p{  
    color:rgb(99, 111, 143)  
}
```

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(99, 111, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 111, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.0047, 0.2630, 0.2666 is called "border". The border property can be set on classes, ids or directly on the HTML element.

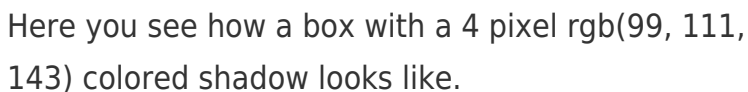
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 111, 143) }
```

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

```
.border{ border-color:rgb(99, 111, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 111, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 111, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 111, 143); box-shadow:4px 4px 4px 4px rgb(99, 111, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0047, 0.2630, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 111, 143) }
```

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

```
.background{ background-color: rgb(99, 111,  
143) }
```

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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