

Converting Colors

$Y_{xy}(16.3140, 0.2570, 0.3104)$

Have a look what the booklet for
Yxy(16.3140, 0.2570, 0.3104)
contains.

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Color

Yxy(16.3299, 0.2570, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	4D7780
RGB	77, 119, 128
RGB Percent	30%, 47%, 50%
CMY	0.6979, 0.5333, 0.4980
CMYK	0.40, 0.07, 0.00, 0.50
HSL	191°, 25%, 40%
HSV	191°, 40%, 50%
XYZ	13.5555, 16.3299, 22.8598
YIQ	107.4680, -27.9210, -6.1050

Conversions

Conversions Part 2

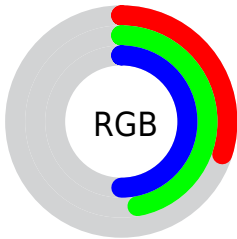
Format	Color
RYB	77, 100, 128
Decimal	5076864
CIELab	47.40, -12.06, -9.55
CIElCh	47, 15.385, 218.374
Yxy	16.3299, 0.2570, 0.3096
Android (android.graphics.Color)	4283266944 (0xFF4D7780)
YUV	107.4680, 10.1223, -26.7204
Hunter-Lab	40.4103, -10.8407, -5.2527

Details

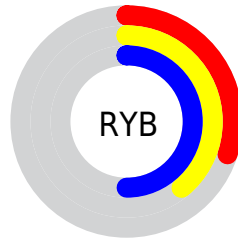
The Yxy color **16.3299, 0.2570, 0.3096** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7871, 0.3998, 0.3472**, and the grayscale version is **14.8190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0512, 0.2694, 0.3139**, and **5.3040, 0.2336, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **15.3173, 0.2452, 0.3039**, and if you desaturate by 10%, it is **17.4614, 0.2700, 0.3150**.

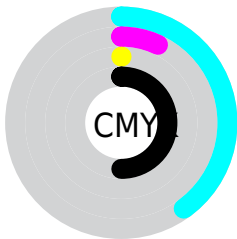
Distribution



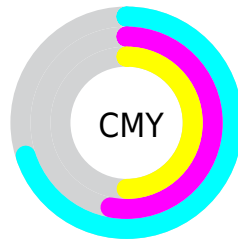
- Red (30%)
- Green (47%)
- Blue (50%)



- Red (30%)
- Yellow (39%)
- Blue (50%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (50%)



- Cyan (70%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3299, 0.2570, 0.3096 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 16.3299, 0.2570, 0.3096 by changing the saturation by 10% instead.

16.3299, 0.2570,
0.3096

16.3299, 0.2570,
0.3096

231.2806, 0.2892,
0.3215

9.7579, 0.2471,
0.3056

37.1700, 0.2699,
0.3146

5.2387, 0.2330,
0.2995

52.2069, 0.2744,
0.3163

2.3880, 0.2115,
0.2893

70.8341, 0.2780,
0.3176

0.8197, 0.1618,
0.2736

93.4362, 0.2810,
0.3187

0.0000, 0.0000,
0.0000

120.3975, 0.2835,
0.3195

152.1024, 0.2857,

0.3203

188.9353, 0.2875,
0.3209

■ 16.3299, 0.2570,
0.3096

■ 16.3299, 0.2570,
0.3096

■ 15.3173, 0.2452,
0.3039

■ 17.4614, 0.2700,
0.3150

■ 14.4154, 0.2347,
0.2980

■ 18.7156, 0.2838,
0.3201

■ 13.6180, 0.2259,
0.2919

■ 20.0985, 0.2982,
0.3248

■ 12.9173, 0.2188,
0.2858

■ 21.6152, 0.3130,
0.3291

■ 12.3041, 0.2135,
0.2796

■ 23.2704, 0.3278,
0.3330

■ 11.7507, 0.2094,
0.2735

■ 25.0684, 0.3425,
0.3365

■ 11.7408, 0.2093,
0.2734

■ 27.0137, 0.3570,
0.3396

■ 29.1103, 0.3710,
0.3423

■ 31.3621, 0.3845,
0.3447

Harmonies

Analogous

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



16.3299, 0.2706, 0.3381



16.3299, 0.2570, 0.3096



16.3299, 0.2574, 0.2884

Triad

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



16.3299, 0.2570, 0.3096



16.3299, 0.3282, 0.2963



16.3299, 0.3537, 0.3814

Complementary

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



16.3299, 0.2570, 0.3096



11.7871, 0.3998, 0.3472

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.



16.3299, 0.3708, 0.3669



16.3299, 0.2570, 0.3096



16.3299, 0.3560, 0.3183

Square

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



16.3299, 0.2570, 0.3096



16.3299, 0.2973, 0.2822



16.3299, 0.3719, 0.3437



16.3299, 0.3259, 0.3815

Rectangle

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



16.3299, 0.2570, 0.3096



16.3299, 0.2656, 0.2807



16.3299, 0.3719, 0.3437



16.3299, 0.3609, 0.3779

Sweetspot

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



16.3305, 0.2570, 0.3096



34.7661, 0.2947, 0.3237



17.6821, 0.2992, 0.4252



8.0793, 0.2932, 0.3232



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.3305, 0.2570, 0.3096



27.0888, 0.2460, 0.3043



11.1471, 0.2486, 0.2527



4.7617, 0.2993, 0.3251



11.6433, 0.2093, 0.2734



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.2335, 0.3312, 0.2499



17.0229, 0.3367, 0.2324



16.4970, 0.3811, 0.3947



4.3998, 0.3162, 0.3114



5.5699, 0.3696, 0.1810



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3299, 0.2570, 0.3096 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 16.3299, 0.2570, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

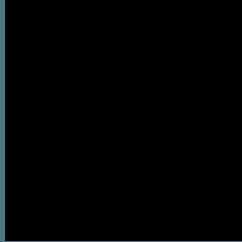
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3299, 0.2570, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 16.3299, 0.2570, 0.3096.



This preview shows how white text looks on a background with the Yxy color 16.3299, 0.2570, 0.3096.

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

16.3299, 0.2570, 0.3096

Protanopia

16.1784, 0.2983, 0.3051

Deuteranopia

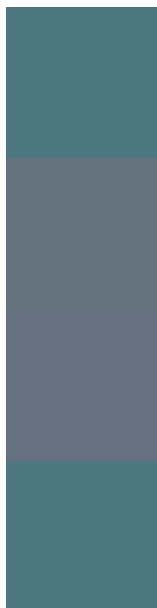
16.1264, 0.2939, 0.2883



Tritanopia

16.3299, 0.2570, 0.3096

Trichromacy



Original Color

16.3299, 0.2570, 0.3096

Protanomaly

16.1679, 0.2817, 0.3064

Deuteranomaly

16.1619, 0.2796, 0.2966

Tritanomaly

16.3299, 0.2570, 0.3096

Monochromacy



Original Color

16.3299, 0.2570, 0.3096

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0935, 0.2887, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3299, 0.2570, 0.3096 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(77, 119, 128)` looks like.

```
.text, #text, p{  
  color:rgb(77, 119, 128)  
}
```

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(77, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 119, 128) }
```

Border

The CSS property to change the border of an element to Yxy 16.3299, 0.2570, 0.3096 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(77, 119, 128) }
```

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

```
.border{ border-color:rgb(77, 119, 128) }
```

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

Here you see how a box with a 4 pixel rgb(77, 119, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(77, 119,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3299, 0.2570, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 119, 128) }
```

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

```
.background{ background-color: rgb(77, 119,  
128) }
```

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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