

Converting Colors

$Yxy(15.3354, 0.2280, 0.2891)$

Have a look what the booklet for
Yxy(15.3354, 0.2280, 0.2891)
contains.

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Color

Yxy(15.3388, 0.2280, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	2F7688
RGB	47, 118, 136
RGB Percent	18%, 46%, 53%
CMY	0.8155, 0.5373, 0.4666
CMYK	0.65, 0.13, 0.00, 0.47
HSL	192°, 49%, 36%
HSV	192°, 65%, 53%
XYZ	12.0970, 15.3388, 25.6213
YIQ	98.8230, -48.0940, -9.4540

Conversions

Conversions Part 2

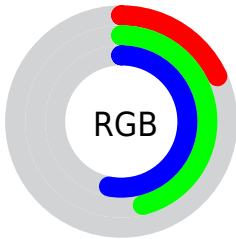
Format	Color
RYB	47, 86, 136
Decimal	3110536
CIELab	46.09, -16.14, -16.41
CIElCh	46, 23.022, 225.478
Yxy	15.3388, 0.2280, 0.2891
Android (android.graphics.Color)	4281300616 (0xFF2F7688)
YUV	98.8230, 18.3283, -45.4488
Hunter-Lab	39.1648, -13.4042, -11.3717

Details

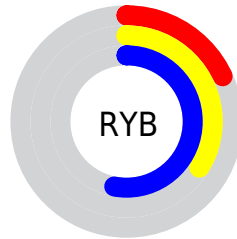
The Yxy color **15.3388, 0.2280, 0.2891** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.2297, 0.4906, 0.3604**, and the grayscale version is **12.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3071, 0.2473, 0.2995**, and **4.9281, 0.2082, 0.2694** is the 20% darker color. If you saturate the color by 10%, you get **14.4252, 0.2198, 0.2820**, and if you desaturate by 10%, it is **16.3733, 0.2379, 0.2961**.

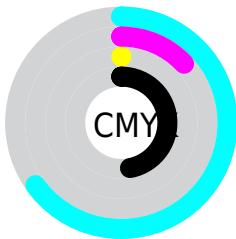
Distribution



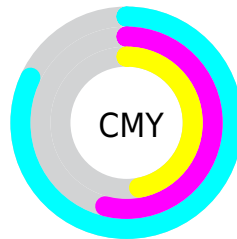
- Red (18%)
- Green (46%)
- Blue (53%)



- Red (18%)
- Yellow (34%)
- Blue (53%)



- Cyan (65%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)



- Cyan (82%)
- Magenta (54%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3388, 0.2280, 0.2891 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 15.3388, 0.2280, 0.2891 by changing the saturation by 10% instead.

15.3388, 0.2280,
0.2891

15.3388, 0.2280,
0.2891

225.4078, 0.2766,
0.3136

9.0575, 0.2134,
0.2808

35.4464, 0.2474,
0.2994

4.7787, 0.1929,
0.2684

50.0416, 0.2542,
0.3029

2.1180, 0.1626,
0.2482

68.1768, 0.2596,
0.3056

0.6747, 0.0791,
0.2158

90.2365, 0.2642,
0.3078

0.0000, 0.0000,
0.0000

116.6051, 0.2680,
0.3096

147.6669, 0.2713,

0.3112

183.8063, 0.2742,
0.3125

■ 15.3388, 0.2280,
0.2891

■ 15.3388, 0.2280,
0.2891

■ 14.4252, 0.2198,
0.2820

■ 16.3733, 0.2379,
0.2961

■ 13.6210, 0.2134,
0.2748

■ 17.5356, 0.2493,
0.3029

■ 12.9122, 0.2087,
0.2677

■ 18.8340, 0.2620,
0.3094

■ 12.6017, 0.2068,
0.2644

■ 20.2757, 0.2756,
0.3155

■ 21.8670, 0.2900,
0.3212

■ 23.6142, 0.3047,
0.3264

■ 25.5229, 0.3195,
0.3311

■ 27.5986, 0.3343,
0.3354

■ 29.8463, 0.3489,
0.3392

Harmonies

Analogous

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



15.3388, 0.2427, 0.3311



15.3388, 0.2280, 0.2891



15.3388, 0.2336, 0.2624

Triad

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



15.3388, 0.2280, 0.2891



15.3388, 0.3469, 0.2871



15.3388, 0.3650, 0.4117

Complementary

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



15.3388, 0.2280, 0.2891



9.2297, 0.4906, 0.3604

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.



15.3388, 0.3968, 0.3916



15.3388, 0.2280, 0.2891



15.3388, 0.3870, 0.3206

Square

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



15.3388, 0.2280, 0.2891



15.3388, 0.2994, 0.2635



15.3388, 0.4055, 0.3579



15.3388, 0.3205, 0.4077

Rectangle

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



15.3388, 0.2280, 0.2891



15.3388, 0.2483, 0.2549



15.3388, 0.4055, 0.3579



15.3388, 0.3776, 0.4072

Sweetspot

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



15.3394, 0.2280, 0.2891



37.0842, 0.2827, 0.3184



18.5981, 0.2913, 0.4957



8.4314, 0.2792, 0.3170



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.3394, 0.2280, 0.2891



24.7859, 0.2168, 0.2789



7.2462, 0.2035, 0.1831



5.5195, 0.2991, 0.3245



11.9374, 0.2068, 0.2645



0.0995, 0.2162, 0.2983

Inverse Universe

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



8.5804, 0.3518, 0.2090



12.7992, 0.3628, 0.1938



16.4481, 0.4297, 0.4370



5.1119, 0.3166, 0.3117



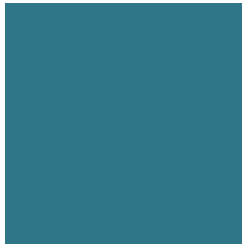
5.9893, 0.3780, 0.1856



0.0418, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 15.3388, 0.2280, 0.2891 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 15.3388, 0.2280, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

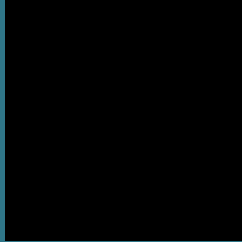
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

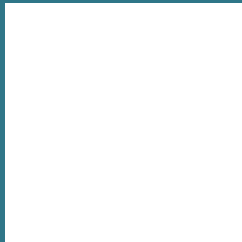
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3388, 0.2280, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 15.3388, 0.2280, 0.2891.

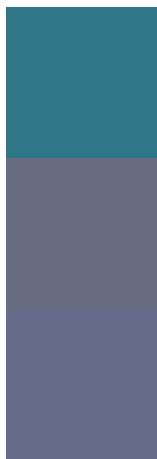


This preview shows how white text looks on a background with the Yxy color 15.3388, 0.2280, 0.2891.

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

15.3388, 0.2280, 0.2891

Protanopia

15.2532, 0.2826, 0.2867

Deuteranopia

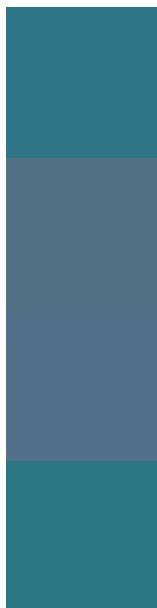
15.2630, 0.2706, 0.2662



Tritanopia

15.2922, 0.2313, 0.3061

Trichromacy



Original Color

15.3388, 0.2280, 0.2891

Protanomaly

15.0933, 0.2569, 0.2867

Deuteranomaly

15.0429, 0.2512, 0.2730

Tritanomaly

15.3951, 0.2297, 0.2997

Monochromacy



Original Color

15.3388, 0.2280, 0.2891

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.1834, 0.2721, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3388, 0.2280, 0.2891 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(47, 118, 136)` looks like.

```
.text, #text, p{  
    color:rgb(47, 118, 136)  
}
```

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(47, 118, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 118, 136) }
```

Border

The CSS property to change the border of an element to Yxy 15.3388, 0.2280, 0.2891 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(47, 118, 136) }
```

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

```
.border{ border-color:rgb(47, 118, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 118, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 118, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 118, 136);  
box-shadow:4px 4px 4px 4px rgb(47, 118,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3388, 0.2280, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 118, 136) }
```

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

```
.background{ background-color: rgb(47, 118,  
136) }
```

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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