

Converting Colors

$Y_{xy}(15.6081, 0.2335, 0.2799)$

Have a look what the booklet for
Yxy(15.6081, 0.2335, 0.2799)
contains.

Yxy(15.6081, 0.2335, 0.2799)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.6081, 0.2335, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	3D758C
RGB	61, 117, 140
RGB Percent	24%, 46%, 55%
CMY	0.7606, 0.5412, 0.4510
CMYK	0.56, 0.16, 0.00, 0.45
HSL	197°, 39%, 39%
HSV	197°, 56%, 55%
XYZ	13.0207, 15.6081, 27.1343
YIQ	102.8780, -40.7590, -4.7190

Conversions

Conversions Part 2

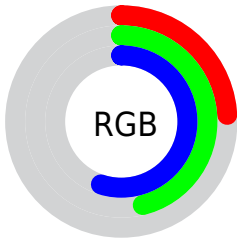
Format	Color
R _Y B	61, 94, 140
Decimal	4027788
CIE Lab	46.46, -11.46, -18.18
CIE LCh	46, 21.484, 237.779
Yxy	15.6081, 0.2335, 0.2799
Android (android.graphics.Color)	4282217868 (0xFF3D758C)
YUV	102.8780, 18.3011, -36.7270
Hunter-Lab	39.5071, -10.3076, -13.0667

Details

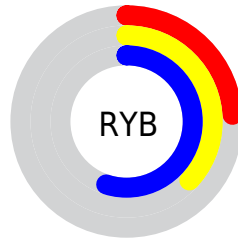
The Yxy color **15.6081, 0.2335, 0.2799** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2588, 0.4481, 0.3704**, and the grayscale version is **13.4913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9158, 0.2515, 0.2914**, and **4.9944, 0.2049, 0.2575** is the 20% darker color. If you saturate the color by 10%, you get **14.2910, 0.2225, 0.2694**, and if you desaturate by 10%, it is **17.0838, 0.2459, 0.2900**.

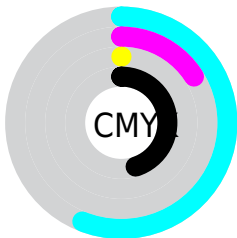
Distribution



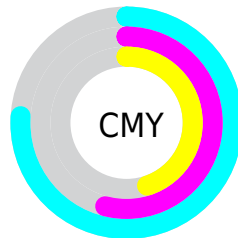
- Red (24%)
- Green (46%)
- Blue (55%)



- Red (24%)
- Yellow (37%)
- Blue (55%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (45%)



- Cyan (76%)
- Magenta (54%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6081, 0.2335, 0.2799 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 15.6081, 0.2335, 0.2799 by changing the saturation by 10% instead.

15.6081, 0.2335,
0.2799

15.6081, 0.2335,
0.2799

227.0180, 0.2789,
0.3094

9.2473, 0.2198,
0.2703

35.9165, 0.2516,
0.2921

4.9028, 0.2007,
0.2564

50.6328, 0.2579,
0.2962

2.1904, 0.1724,
0.2343

68.9032, 0.2631,
0.2995

0.7147, 0.1104,
0.1974

91.1118, 0.2673,
0.3022

0.0000, 0.0000,
0.0000

117.6432, 0.2709,
0.3044

148.8818, 0.2740,

0.3063

185.2119, 0.2766,
0.3080

■ 15.6081, 0.2335,
0.2799

■ 15.6081, 0.2335,
0.2799

■ 14.2910, 0.2225,
0.2694

■ 17.0838, 0.2459,
0.2900

■ 13.1210, 0.2133,
0.2588

■ 18.7250, 0.2593,
0.2996

■ 12.0875, 0.2058,
0.2480

■ 20.5404, 0.2736,
0.3086

■ 11.1726, 0.2002,
0.2374

■ 22.5373, 0.2883,
0.3169

■ 10.8582, 0.1982,
0.2335

■ 24.7227, 0.3032,
0.3245

■ 27.1030, 0.3180,
0.3314

■ 29.6843, 0.3326,
0.3376

■ 32.4726, 0.3468,
0.3431

■ 35.4733, 0.3604,
0.3480

Harmonies

Analogous

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



15.6081, 0.2396, 0.3140



15.6081, 0.2335, 0.2799



15.6081, 0.2465, 0.2618

Triad

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



15.6081, 0.2335, 0.2799



15.6081, 0.3614, 0.3020



15.6081, 0.3454, 0.4071

Complementary

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



15.6081, 0.2335, 0.2799



12.2588, 0.4481, 0.3704

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.



15.6081, 0.3810, 0.3971



15.6081, 0.2335, 0.2799



15.6081, 0.3916, 0.3357

Square

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



15.6081, 0.2335, 0.2799



15.6081, 0.3185, 0.2754



15.6081, 0.3986, 0.3700



15.6081, 0.3025, 0.3925

Rectangle

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



15.6081, 0.2335, 0.2799



15.6081, 0.2649, 0.2593



15.6081, 0.3986, 0.3700



15.6081, 0.3586, 0.4063

Sweetspot

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



15.6087, 0.2335, 0.2799



39.3856, 0.2869, 0.3161



20.3785, 0.2876, 0.4551



8.9310, 0.2843, 0.3147



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.6087, 0.2335, 0.2799



24.5451, 0.2195, 0.2662



8.3566, 0.2151, 0.1913



5.4467, 0.2991, 0.3225



9.6839, 0.1984, 0.2341



0.0896, 0.2119, 0.2828

Inverse Universe

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



10.2012, 0.3578, 0.2325



14.8997, 0.3726, 0.2160



20.0501, 0.4064, 0.4351



5.1046, 0.3178, 0.3136



5.7618, 0.4084, 0.2023



0.0408, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 15.6081, 0.2335, 0.2799 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 15.6081, 0.2335, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

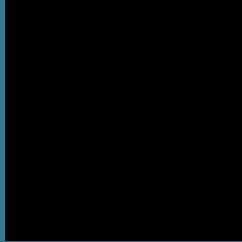
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6081, 0.2335, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 15.6081, 0.2335, 0.2799.

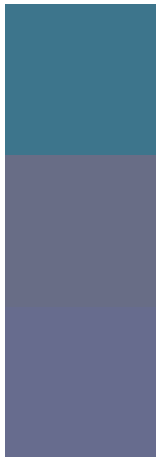


This preview shows how white text looks on a background with the Yxy color 15.6081, 0.2335, 0.2799.

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

15.6081, 0.2335, 0.2799

Protanopia

15.6016, 0.2773, 0.2794

Deuteranopia

15.5617, 0.2677, 0.2630



Tritanopia

15.6485, 0.2399, 0.3066

Trichromacy



Original Color

15.6081, 0.2335, 0.2799

Protanomaly

15.4406, 0.2583, 0.2796

Deuteranomaly

15.3667, 0.2534, 0.2683

Tritanomaly

15.5499, 0.2371, 0.2960

Monochromacy



Original Color

15.6081, 0.2335, 0.2799

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.0608, 0.2776, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6081, 0.2335, 0.2799 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(61, 117, 140)` looks like.

```
.text, #text, p{  
  color:rgb(61, 117, 140)  
}
```

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(61, 117, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 117, 140) }
```

Border

The CSS property to change the border of an element to Yxy 15.6081, 0.2335, 0.2799 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(61, 117, 140) }
```

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

```
.border{ border-color:rgb(61, 117, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 117, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 117, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 117, 140);  
box-shadow:4px 4px 4px 4px rgb(61, 117,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6081, 0.2335, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 117, 140) }
```

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

```
.background{ background-color: rgb(61, 117,  
140) }
```

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