

Converting Colors

$Y_{xy}(10.5815, 0.2669, 0.2823)$

Have a look what the booklet for
Yxy(10.5815, 0.2669, 0.2823)
contains.

Yxy(10.6608, 0.2678, 0.2837)	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(10.6608, 0.2678, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	4F5D70
RGB	79, 93, 112
RGB Percent	31%, 36%, 44%
CMY	0.6902, 0.6353, 0.5608
CMYK	0.29, 0.17, 0.00, 0.56
HSL	215°, 17%, 37%
HSV	215°, 29%, 44%
XYZ	10.0633, 10.6608, 16.8536
YIQ	90.9800, -14.4430, 2.9410

Conversions

Conversions Part 2

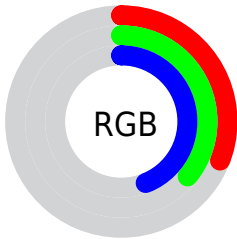
Format	Color
R _Y B	79, 89, 112
Decimal	5201264
CIE Lab	39.00, -0.54, -12.55
CIE LCh	39, 12.563, 267.523
Yxy	10.6608, 0.2678, 0.2837
Android (android.graphics.Color)	4283391344 (0xFF4F5D70)
YUV	90.9800, 10.3629, -10.5065
Hunter-Lab	32.6509, -2.1236, -7.7485

Details

The Yxy color **10.6608, 0.2678, 0.2837** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7433, 0.3622, 0.3704**, and the grayscale version is **10.4359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9924, 0.2794, 0.2948**, and **2.7265, 0.2438, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **9.1362, 0.2517, 0.2653**, and if you desaturate by 10%, it is **12.3627, 0.2836, 0.3006**.

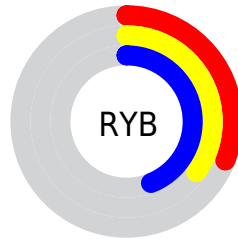
Distribution



Red (31%)

Green (36%)

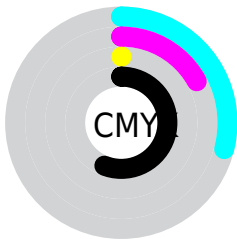
Blue (44%)



Red (31%)

Yellow (35%)

Blue (44%)

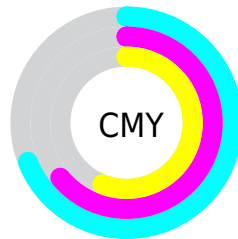


Cyan (29%)

Magenta (17%)

Yellow (0%)

Black (56%)



Cyan (69%)

Magenta (64%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.6608, 0.2678, 0.2837 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 10.6608, 0.2678, 0.2837 by changing the saturation by 10% instead.

■ 10.6608, 0.2678,
0.2837

■ 10.6608, 0.2678,
0.2837

■ 195.3254, 0.2954,
0.3116

■ 5.8392, 0.2582,
0.2740

■ 27.0312, 0.2795,
0.2956

■ 2.7476, 0.2436,
0.2591

■ 39.3488, 0.2834,
0.2994

■ 1.0014, 0.2187,
0.2337

■ 54.9339, 0.2864,
0.3025

■ 0.0000, 0.0000,
0.0000

■ 74.1709, 0.2889,
0.3050

■ 97.4441, 0.2909,
0.3071

125.1380, 0.2927,

0.3088

157.6370, 0.2941,
0.3103

■ 10.6608, 0.2678,
0.2837

■ 10.6608, 0.2678,
0.2837

■ 9.1362, 0.2517,
0.2653

■ 12.3627, 0.2836,
0.3006

■ 7.7811, 0.2356,
0.2456

■ 14.2465, 0.2989,
0.3159

■ 6.5891, 0.2202,
0.2249

■ 16.3185, 0.3135,
0.3297

■ 5.5529, 0.2058,
0.2037

■ 18.5841, 0.3272,
0.3420

■ 4.6644, 0.1930,
0.1825

■ 21.0484, 0.3400,
0.3529

■ 3.9145, 0.1823,
0.1619

■ 23.7166, 0.3519,
0.3625

■ 3.2769, 0.1731,
0.1424

■ 26.5933, 0.3628,
0.3709

■ 3.2442, 0.1726,
0.1414

■ 29.6833, 0.3730,
0.3783

■ 32.9910, 0.3823,
0.3848

Harmonies

Analogous

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



10.6608, 0.2588, 0.2969



10.6608, 0.2678, 0.2837



10.6608, 0.2886, 0.2824

Triad

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



10.6608, 0.2678, 0.2837



10.6608, 0.3646, 0.3343



10.6608, 0.3068, 0.3702

Complementary

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



10.6608, 0.2678, 0.2837



12.7433, 0.3622, 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.



10.6608, 0.3354, 0.3801



10.6608, 0.2678, 0.2837



10.6608, 0.3697, 0.3575

Square

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



10.6608, 0.2678, 0.2837



10.6608, 0.3449, 0.3108



10.6608, 0.3587, 0.3748



10.6608, 0.2806, 0.3475

Rectangle

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



10.6608, 0.2678, 0.2837



10.6608, 0.3069, 0.2878



10.6608, 0.3587, 0.3748



10.6608, 0.3164, 0.3752

Sweetspot

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



10.6612, 0.2678, 0.2837



25.1074, 0.2993, 0.3163



14.1249, 0.2878, 0.3626



5.9347, 0.2975, 0.3145



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.



10.6612, 0.2678, 0.2837



16.9653, 0.2574, 0.2720



8.5211, 0.2675, 0.2496



3.5115, 0.2996, 0.3166



3.7071, 0.1723, 0.1401



16.8298, 0.1696, 0.1304

Inverse Universe

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



9.8275, 0.3478, 0.2984



15.4046, 0.3583, 0.2914



15.4525, 0.3514, 0.3990



3.4228, 0.3215, 0.3201



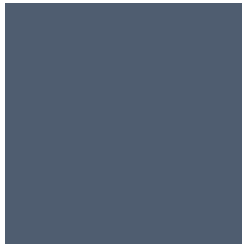
4.2201, 0.5190, 0.2633



20.8567, 0.5322, 0.2705

Previews

White Background



This preview shows how the Yxy color 10.6608, 0.2678, 0.2837 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 10.6608, 0.2678, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

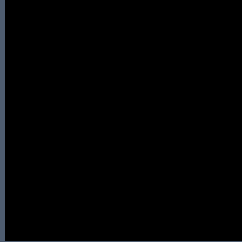
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

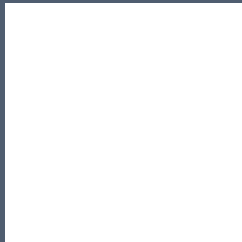
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6608, 0.2678, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 10.6608, 0.2678, 0.2837.

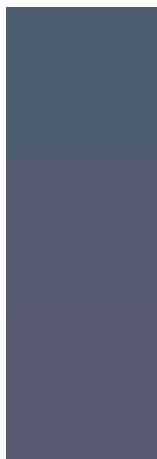


This preview shows how white text looks on a background with the Yxy color 10.6608, 0.2678, 0.2837.

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

10.6608, 0.2678, 0.2837

Protanopia

10.6561, 0.2793, 0.2824

Deuteranopia

10.6782, 0.2809, 0.2763



Tritanopia

10.7215, 0.2776, 0.3116

Trichromacy



Original Color

10.6608, 0.2678, 0.2837

Protanomaly

10.6868, 0.2754, 0.2843

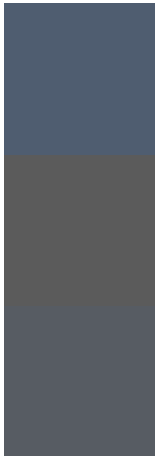
Deuteranomaly

10.6529, 0.2755, 0.2779

Tritanomaly

10.6657, 0.2738, 0.2997

Monochromacy



Original Color

10.6608, 0.2678, 0.2837

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.5814, 0.2952, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6608, 0.2678, 0.2837 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(79, 93, 112)` looks like.

```
.text, #text, p{  
    color:rgb(79, 93, 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(79, 93, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 93, 112) }
```

Border

The CSS property to change the border of an element to Yxy 10.6608, 0.2678, 0.2837 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(79, 93, 112) }
```

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

```
.border{ border-color:rgb(79, 93, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 93, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 93, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 93, 112);  
box-shadow:4px 4px 4px 4px rgb(79, 93,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6608, 0.2678, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 93, 112) }
```

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

```
.background{ background-color: rgb(79, 93,  
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