

Converting Colors

$Y_{xy}(8.9644, 0.1463, 0.3092)$

Have a look what the booklet for
Yxy(8.9644, 0.1463, 0.3092)
contains.

Yxy(10.5855, 0.2201, 0.3124)	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(10.5855, 0.2201, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	00666C
RGB	0, 102, 108
RGB Percent	0%, 40%, 42%
CMY	1.0000, 0.6000, 0.5764
CMYK	1.00, 0.06, 0.00, 0.58
HSL	183°, 100%, 21%
HSV	183°, 100%, 42%
XYZ	7.4580, 10.5855, 15.8410
YIQ	72.1860, -62.7180, -19.7580

Conversions

Conversions Part 2

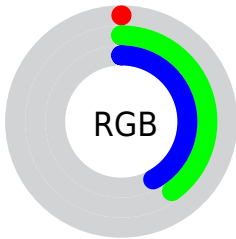
Format	Color
RYB	0, 52, 108
Decimal	26220
CIELab	38.87, -22.47, -10.58
CIELCh	39, 24.832, 205.217
Yxy	10.5855, 0.2201, 0.3124
Android (android.graphics.Color)	4278216300 (0xFF00666C)
YUV	72.1860, 17.6563, -63.3071
Hunter-Lab	32.5354, -16.0200, -6.0926

Details

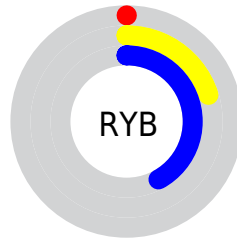
The Yxy color **10.5855, 0.2201, 0.3124** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.3194, 0.6326, 0.3359**, and the grayscale version is **6.4918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7415, 0.2434, 0.3180**, and **3.0693, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **10.5863, 0.2201, 0.3124**, and if you desaturate by 10%, it is **10.7747, 0.2232, 0.3142**.

Distribution



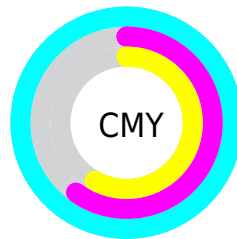
- Red (0%)
- Green (40%)
- Blue (42%)



- Red (0%)
- Yellow (20%)
- Blue (42%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)





- Cyan (100%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5855, 0.2201, 0.3124 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 10.5855, 0.2201, 0.3124 by changing the saturation by 10% instead.


 10.5855, 0.2201,
0.3124


 10.5855, 0.2201,
0.3124


194.8013, 0.2761,
0.3242


 5.7889, 0.2016,
0.3072

 26.8911, 0.2434,
0.3180


 2.7171, 0.1743,
0.2980


 39.1688, 0.2512,
0.3197

 0.9859, 0.1116,
0.2857

 54.7091, 0.2574,
0.3209


 0.0000, 0.0000,
0.0000


 73.8962, 0.2625,
0.3218


 97.1146, 0.2668,
0.3226


 124.7486, 0.2703,

0.3232

 157.1827, 0.2734,
0.3238

 10.5855, 0.2201,
0.3124


 10.5855, 0.2201,
0.3124

 10.5863, 0.2201,
0.3124

 10.7747, 0.2232,
0.3142

 10.9904, 0.2271,
0.3159

 11.2582, 0.2327,
0.3177

 11.5838, 0.2401,
0.3195

 11.9722, 0.2491,
0.3213

■ 12.4280, 0.2596,
0.3230

■ 12.9550, 0.2714,
0.3246

■ 13.5570, 0.2844,
0.3262

■ 14.2376, 0.2983,
0.3276

Harmonies

Analogous

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



10.5855, 0.2526, 0.3702



10.5855, 0.2201, 0.3124



10.5855, 0.2108, 0.2670

Triad

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



10.5855, 0.2201, 0.3124



10.5855, 0.3145, 0.2582



10.5855, 0.4041, 0.4142

Complementary

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



10.5855, 0.2201, 0.3124



3.3194, 0.6326, 0.3359

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.



10.5855, 0.4259, 0.3763



10.5855, 0.2201, 0.3124



10.5855, 0.3721, 0.2904

Square

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



10.5855, 0.2201, 0.3124



10.5855, 0.2613, 0.2411



10.5855, 0.4145, 0.3321



10.5855, 0.3585, 0.4327

Rectangle

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



10.5855, 0.2201, 0.3124



10.5855, 0.2178, 0.2486



10.5855, 0.4145, 0.3321



10.5855, 0.4147, 0.4030

Sweetspot

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



10.5863, 0.2201, 0.3124



22.6581, 0.2704, 0.3245



10.7397, 0.2984, 0.5941



5.4104, 0.2666, 0.3240



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.5863, 0.2201, 0.3124



18.5246, 0.2200, 0.3119



3.2468, 0.1750, 0.1499



3.4645, 0.2997, 0.3278



12.6108, 0.2201, 0.3122



63.8322, 0.2198, 0.3113

Inverse Universe

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



4.1483, 0.3346, 0.1617



7.2754, 0.3350, 0.1619



6.3589, 0.5199, 0.4254



3.1611, 0.3144, 0.3096



4.9454, 0.3348, 0.1618



25.1561, 0.3356, 0.1623

Previews

White Background



This preview shows how the Yxy color 10.5855, 0.2201, 0.3124 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 10.5855, 0.2201, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

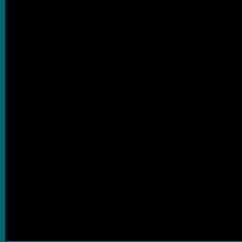
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5855, 0.2201, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 10.5855, 0.2201, 0.3124.



This preview shows how white text looks on a background with the Yxy color 10.5855, 0.2201, 0.3124.

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

10.5855, 0.2201, 0.3124

Protanopia

10.5954, 0.2969, 0.3052

Deuteranopia

10.6842, 0.2849, 0.2808



Tritanopia

10.6931, 0.2210, 0.3073

Trichromacy



Original Color

10.5855, 0.2201, 0.3124

Protanomaly

10.0538, 0.2514, 0.3053

Deuteranomaly

10.0307, 0.2458, 0.2880

Tritanomaly

10.6456, 0.2208, 0.3099

Monochromacy



Original Color

10.5855, 0.2201, 0.3124

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.4232, 0.2548, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5855, 0.2201, 0.3124 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(0, 102, 108)` looks like.

```
.text, #text, p{  
  color:rgb(0, 102, 108)  
}
```

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(0, 102, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 108) }
```

Border

The CSS property to change the border of an element to Yxy 10.5855, 0.2201, 0.3124 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(0, 102, 108) }
```

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

```
.border{ border-color:rgb(0, 102, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 102, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 102, 108); box-shadow:4px 4px 4px 4px rgb(0, 102, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5855, 0.2201, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 108) }
```

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

```
.background{ background-color: rgb(0, 102,  
108) }
```

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