

Converting Colors

$Y_{xy}(12.1986, 0.2865, 0.3909)$

Have a look what the booklet for
Yxy(12.1986, 0.2865, 0.3909)
contains.

Yxy(12.2299, 0.2860, 0.3915)	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(12.2299, 0.2860, 0.3915)

Conversions

Conversions Part 1

Format	Color
Hex	406B53
RGB	64, 107, 83
RGB Percent	25%, 42%, 33%
CMY	0.7490, 0.5804, 0.6745
CMYK	0.40, 0.00, 0.22, 0.58
HSL	147°, 25%, 34%
HSV	147°, 40%, 42%
XYZ	8.9342, 12.2299, 10.0744
YIQ	91.4070, -17.9240, -16.5800

Conversions

Conversions Part 2

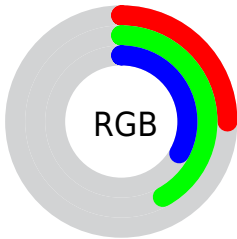
Format	Color
RYB	64, 94, 107
Decimal	4221779
CIELab	41.58, -20.85, 8.82
CIELCh	42, 22.633, 157.076
Yxy	12.2299, 0.2860, 0.3915
Android (android.graphics.Color)	4282411859 (0xFF406B53)
YUV	91.4070, -4.1447, -24.0359
Hunter-Lab	34.9713, -15.5977, 7.3998

Details

The Yxy color **12.2299, 0.2860, 0.3915** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.4990, 0.3534, 0.2744**, and the grayscale version is **10.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0396, 0.2940, 0.3758**, and **3.3780, 0.2700, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **11.8170, 0.2808, 0.4106**, and if you desaturate by 10%, it is **12.7206, 0.2920, 0.3737**.

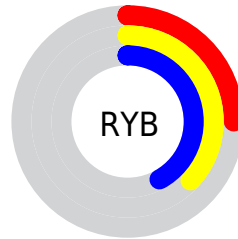
Distribution



Red (25%)

Green (42%)

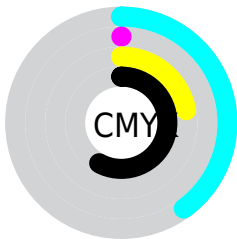
Blue (33%)



Red (25%)

Yellow (37%)

Blue (42%)

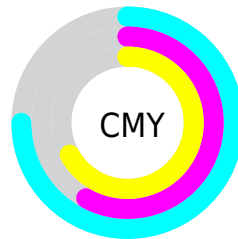


Cyan (40%)

Magenta (0%)

Yellow (22%)

Black (58%)



Cyan (75%)


Magenta (58%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2299, 0.2860, 0.3915 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 12.2299, 0.2860, 0.3915 by changing the saturation by 10% instead.


 12.2299, 0.2860,
0.3915


 12.2299, 0.2860,
0.3915


205.9214, 0.3029,
0.3522


 6.9005, 0.2797,
0.4060


 29.9131, 0.2934,
0.3744


 3.3999, 0.2697,
0.4290


 43.0357, 0.2957,
0.3689


 1.3439, 0.2505,
0.4744

 59.5248, 0.2976,
0.3646

 0.1748, 0.0000,
1.0000

 79.7647, 0.2990,
0.3612

 0.0000, 0.0000,
0.0000

 104.1400, 0.3003,
0.3583

 133.0349, 0.3013,

0.3559

166.8339, 0.3021,
0.3539

■ 12.2299, 0.2860,
0.3915

■ 12.2299, 0.2860,
0.3915

■ 11.8170, 0.2808,
0.4106

■ 12.7206, 0.2920,
0.3737

■ 11.4763, 0.2768,
0.4306

■ 13.2914, 0.2986,
0.3574

■ 11.2037, 0.2742,
0.4512

■ 13.9464, 0.3055,
0.3425

■ 10.9940, 0.2732,
0.4719

■ 14.6890, 0.3126,
0.3292

■ 10.8415, 0.2739,
0.4920

■ 15.5223, 0.3197,
0.3173

■ 10.7227, 0.2753,
0.5110

■ 16.4493, 0.3266,
0.3068

■ 17.4728, 0.3334,
0.2975

■ 18.5957, 0.3399,
0.2893

■ 19.8206, 0.3461,
0.2821

Harmonies

Analogous

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



12.2299, 0.3345, 0.4170



12.2299, 0.2860, 0.3915



12.2299, 0.2467, 0.3450

Triad

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



12.2299, 0.2860, 0.3915



12.2299, 0.2463, 0.2506



12.2299, 0.4085, 0.3482

Complementary

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



12.2299, 0.2860, 0.3915



7.4990, 0.3534, 0.2744

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.



12.2299, 0.3813, 0.3094



12.2299, 0.2860, 0.3915



12.2299, 0.2852, 0.2555

Square

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



12.2299, 0.2860, 0.3915



12.2299, 0.2255, 0.2644



12.2299, 0.3348, 0.2765



12.2299, 0.4071, 0.3858

Rectangle

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



12.2299, 0.2860, 0.3915



12.2299, 0.2303, 0.3124



12.2299, 0.3348, 0.2765



12.2299, 0.4024, 0.3350

Sweetspot

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



12.2304, 0.2860, 0.3915



24.7061, 0.3040, 0.3456



12.9786, 0.3410, 0.4320



5.9537, 0.3034, 0.3469



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.



12.2304, 0.2860, 0.3915



21.2158, 0.2812, 0.4090



12.6080, 0.2632, 0.3359



3.4649, 0.3064, 0.3409



13.0390, 0.2758, 0.5128



66.2699, 0.2786, 0.5229

Inverse Universe

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



7.4990, 0.3534, 0.2744



11.4899, 0.3668, 0.2621



7.1981, 0.3991, 0.3225



3.1424, 0.3196, 0.3174



4.1899, 0.4642, 0.2331



21.1724, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 12.2299, 0.2860, 0.3915 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 12.2299, 0.2860, 0.3915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

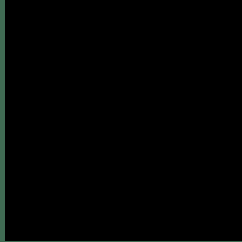
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2299, 0.2860, 0.3915

Background



This preview shows how black text looks on a background with the Yxy color 12.2299, 0.2860, 0.3915.



This preview shows how white text looks on a background with the Yxy color 12.2299, 0.2860, 0.3915.

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

12.2299, 0.2860, 0.3915

Protanopia

12.2285, 0.3508, 0.3746

Deuteranopia

12.0568, 0.3519, 0.3466



Tritanopia

12.1878, 0.2622, 0.3097

Trichromacy



Original Color

12.2299, 0.2860, 0.3915

Protanomaly

12.0104, 0.3235, 0.3801

Deuteranomaly

11.9592, 0.3246, 0.3622

Tritanomaly

12.0692, 0.2699, 0.3363

Monochromacy



Original Color

12.2299, 0.2860, 0.3915

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.0033, 0.3013, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2299, 0.2860, 0.3915 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(64, 107, 83)` looks like.

```
.text, #text, p{  
    color:rgb(64, 107, 83)  
}
```

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(64, 107, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 107, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.2299, 0.2860, 0.3915 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(64, 107, 83) }
```

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

```
.border{ border-color:rgb(64, 107, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 107, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 107, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 107, 83);  
box-shadow:4px 4px 4px 4px rgb(64, 107,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2299, 0.2860, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 107, 83) }
```

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

```
.background{ background-color: rgb(64, 107,  
83) }
```

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