

Converting Colors

$Y_{xy}(19.9191, 0.2979, 0.3696)$

Have a look what the booklet for
Yxy(19.9191, 0.2979, 0.3696)
contains.

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Color

$Yxy(20.0329, 0.2975, 0.3695)$

Conversions

Conversions Part 1

Format	Color
Hex	63836F
RGB	99, 131, 111
RGB Percent	39%, 51%, 44%
CMY	0.6118, 0.4862, 0.5647
CMYK	0.24, 0.00, 0.15, 0.49
HSL	143°, 14%, 45%
HSV	143°, 24%, 51%
XYZ	16.1293, 20.0329, 18.0540
YIQ	119.1520, -12.6520, -13.0040

Conversions

Conversions Part 2

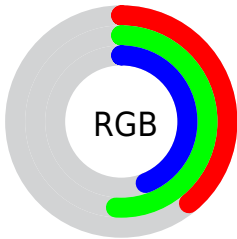
Format	Color
RYB	99, 122, 131
Decimal	6521711
CIELab	51.87, -15.74, 7.15
CIELCh	52, 17.290, 155.576
Yxy	20.0329, 0.2975, 0.3695
Android (android.graphics.Color)	4284711791 (0xFF63836F)
YUV	119.1520, -4.0189, -17.6733
Hunter-Lab	44.7581, -14.0013, 7.4150

Details

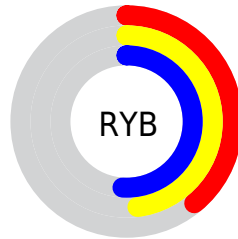
The Yxy color **20.0329, 0.2975, 0.3695** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0779, 0.3318, 0.2917**, and the grayscale version is **18.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4094, 0.3006, 0.3592**, and **6.9475, 0.2904, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **19.1828, 0.2918, 0.3892**, and if you desaturate by 10%, it is **21.0210, 0.3036, 0.3516**.

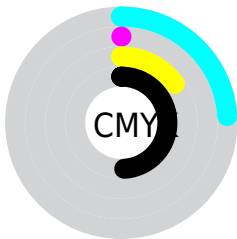
Distribution



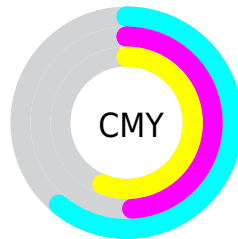
- Red (39%)
- Green (51%)
- Blue (44%)



- Red (39%)
- Yellow (48%)
- Blue (51%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)





- Cyan (61%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0329, 0.2975, 0.3695 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 20.0329, 0.2975, 0.3695 by changing the saturation by 10% instead.


 20.0329, 0.2975,
0.3695

 20.0329, 0.2975,
0.3695


252.0932, 0.3064,
0.3459


 12.4190, 0.2946,
0.3770


 43.4723, 0.3012,
0.3599


 7.0297, 0.2905,
0.3878


 60.0666, 0.3024,
0.3566

 3.4807, 0.2839,
0.4048

 80.4231, 0.3034,
0.3540

 1.3875, 0.2717,
0.4357

 104.9263, 0.3042,
0.3518

 0.2075, 0.0000,
1.0000

133.9605, 0.3049,
0.3499

 0.0000, 0.0000,
0.0000

167.9101, 0.3055,

0.3484

207.1595, 0.3060,
0.3470

■ 20.0329, 0.2975,
0.3695

■ 20.0329, 0.2975,
0.3695

■ 19.1828, 0.2918,
0.3892

■ 21.0210, 0.3036,
0.3516

■ 18.4618, 0.2867,
0.4105

■ 22.1502, 0.3099,
0.3356

■ 17.8642, 0.2826,
0.4330

■ 23.4270, 0.3162,
0.3213

■ 17.3826, 0.2797,
0.4564

■ 24.8564, 0.3224,
0.3086

■ 17.0088, 0.2784,
0.4799

■ 26.4434, 0.3284,
0.2975

■ 16.7337, 0.2787,
0.5026

■ 28.1926, 0.3342,
0.2878

■ 16.5449, 0.2807,
0.5237

■ 30.1086, 0.3397,
0.2793

■ 16.4575, 0.2819,
0.5348

■ 32.1957, 0.3449,
0.2719

■ 34.4580, 0.3498,
0.2654

Harmonies

Analogous

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



20.0329, 0.3295, 0.3850



20.0329, 0.2975, 0.3695



20.0329, 0.2706, 0.3414

Triad

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



20.0329, 0.2975, 0.3695



20.0329, 0.2678, 0.2770



20.0329, 0.3740, 0.3418

Complementary

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



20.0329, 0.2975, 0.3695



15.0779, 0.3318, 0.2917

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.



20.0329, 0.3558, 0.3154



20.0329, 0.2975, 0.3695



20.0329, 0.2936, 0.2791

Square

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



20.0329, 0.2975, 0.3695



20.0329, 0.2541, 0.2880



20.0329, 0.3259, 0.2930



20.0329, 0.3746, 0.3666

Rectangle

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



20.0329, 0.2975, 0.3695



20.0329, 0.2587, 0.3208



20.0329, 0.3259, 0.2930



20.0329, 0.3697, 0.3329

Sweetspot

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



20.0337, 0.2975, 0.3695



39.0868, 0.3082, 0.3397



21.0757, 0.3335, 0.3902



9.0779, 0.3079, 0.3405



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.0337, 0.2975, 0.3695



35.0463, 0.2945, 0.3796



20.4116, 0.2822, 0.3373



5.2315, 0.3069, 0.3429



16.1985, 0.2819, 0.5347



0.0575, 0.2588, 0.4517

Inverse Universe

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



15.0779, 0.3318, 0.2917



24.6654, 0.3370, 0.2834



14.7305, 0.3548, 0.3210



4.7340, 0.3190, 0.3155



5.3478, 0.4396, 0.2195



0.0199, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 20.0329, 0.2975, 0.3695 looks on a white 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

Black Background



This preview shows how the Yxy color 20.0329, 0.2975, 0.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

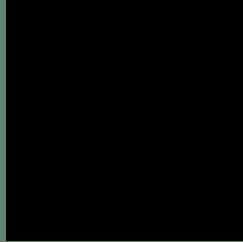
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0329, 0.2975, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 20.0329, 0.2975, 0.3695.



This preview shows how white text looks on a background with the Yxy color 20.0329, 0.2975, 0.3695.

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

20.0329, 0.2975, 0.3695

Protanopia

19.8946, 0.3389, 0.3588

Deuteranopia

19.8749, 0.3458, 0.3398



Tritanopia

19.9279, 0.2770, 0.3098

Trichromacy



Original Color

20.0329, 0.2975, 0.3695

Protanomaly

19.8560, 0.3231, 0.3638

Deuteranomaly

19.6209, 0.3266, 0.3498

Tritanomaly

19.8216, 0.2837, 0.3289

Monochromacy



Original Color

20.0329, 0.2975, 0.3695

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.8716, 0.3072, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0329, 0.2975, 0.3695 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(99, 131, 111)` looks like.

```
.text, #text, p{  
    color:rgb(99, 131, 111)  
}
```

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(99, 131, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 131, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.0329, 0.2975, 0.3695 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(99, 131, 111) }
```

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

```
.border{ border-color:rgb(99, 131, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 131, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 131, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 131, 111);  
box-shadow:4px 4px 4px 4px rgb(99, 131,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0329, 0.2975, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 131, 111) }
```

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

```
.background{ background-color: rgb(99, 131,  
111) }
```

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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