

Converting Colors

$Yxy(16.9993, 0.2719, 0.3902)$

Have a look what the booklet for
Yxy(16.9993, 0.2719, 0.3902)
contains.

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Color

Yxy(16.8986, 0.2721, 0.3893)

Conversions

Conversions Part 1

Format	Color
Hex	3F7E64
RGB	63, 126, 100
RGB Percent	25%, 49%, 39%
CMY	0.7529, 0.5059, 0.6078
CMYK	0.50, 0.00, 0.21, 0.51
HSL	155°, 33%, 37%
HSV	155°, 50%, 49%
XYZ	11.8112, 16.8986, 14.6978
YIQ	104.1990, -29.2020, -21.4420

Conversions

Conversions Part 2

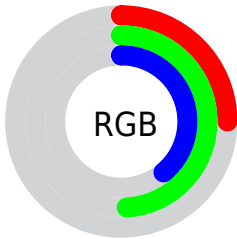
Format	Color
RYB	63, 103, 126
Decimal	4161124
CIELab	48.13, -26.92, 7.98
CIELCh	48, 28.078, 163.494
Yxy	16.8986, 0.2721, 0.3893
Android (android.graphics.Color)	4282351204 (0xFF3F7E64)
YUV	104.1990, -2.0701, -36.1315
Hunter-Lab	41.1079, -20.6518, 7.5768

Details

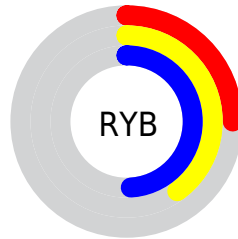
The Yxy color **16.8986, 0.2721, 0.3893** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **8.7119, 0.3882, 0.2776**, and the grayscale version is **13.9114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1194, 0.2821, 0.3737**, and **5.4517, 0.2525, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **16.4333, 0.2669, 0.4041**, and if you desaturate by 10%, it is **17.4666, 0.2787, 0.3753**.

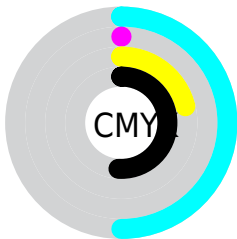
Distribution



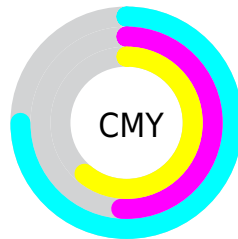
- Red (25%)
- Green (49%)
- Blue (39%)



- Red (25%)
- Yellow (40%)
- Blue (49%)



- Cyan (50%)
- Magenta (0%)
- Yellow (21%)
- Black (51%)





- Cyan (75%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8986, 0.2721, 0.3893 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 16.8986, 0.2721, 0.3893 by changing the saturation by 10% instead.


 16.8986, 0.2721,
0.3893


 16.8986, 0.2721,
0.3893


234.5874, 0.2963,
0.3530


 10.1622, 0.2642,
0.4015


 38.1514, 0.2821,
0.3741


 5.5066, 0.2524,
0.4197

 53.4365, 0.2855,
0.3691


 2.5475, 0.2333,
0.4501

 72.3401, 0.2882,
0.3650

 0.9003, 0.1305,
0.5918

 95.2464, 0.2904,
0.3617

 0.0000, 0.0000,
0.0000

 122.5399, 0.2922,
0.3590

154.6050, 0.2938,

0.3567

191.8260, 0.2952,
0.3547

■ 16.8986, 0.2721,
0.3893

■ 16.8986, 0.2721,
0.3893

■ 16.4333, 0.2669,
0.4041

■ 17.4666, 0.2787,
0.3753

■ 16.0621, 0.2632,
0.4194

■ 18.1414, 0.2863,
0.3621

■ 15.7781, 0.2614,
0.4349

■ 18.9292, 0.2947,
0.3500

■ 15.5725, 0.2614,
0.4503

■ 19.8352, 0.3035,
0.3390

■ 15.4169, 0.2627,
0.4656

■ 20.8643, 0.3127,
0.3290

■ 22.0211, 0.3220,
0.3201

■ 23.3098, 0.3312,
0.3121

■ 24.7346, 0.3402,
0.3051

■ 26.2994, 0.3490,
0.2989

Harmonies

Analogous

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



16.8986, 0.3246, 0.4245



16.8986, 0.2721, 0.3893



16.8986, 0.2327, 0.3345

Triad

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



16.8986, 0.2721, 0.3893



16.8986, 0.2469, 0.2421



16.8986, 0.4219, 0.3586

Complementary

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



16.8986, 0.2721, 0.3893



8.7119, 0.3882, 0.2776

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.



16.8986, 0.3981, 0.3157



16.8986, 0.2721, 0.3893



16.8986, 0.2930, 0.2517

Square

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



16.8986, 0.2721, 0.3893



16.8986, 0.2196, 0.2523



16.8986, 0.3491, 0.2779



16.8986, 0.4130, 0.3989

Rectangle

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



16.8986, 0.2721, 0.3893



16.8986, 0.2180, 0.2992



16.8986, 0.3491, 0.2779



16.8986, 0.4175, 0.3442

Sweetspot

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



16.8993, 0.2721, 0.3893



34.0336, 0.2987, 0.3447



17.4174, 0.3350, 0.4666



7.6800, 0.2972, 0.3467



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.8993, 0.2721, 0.3893



28.8239, 0.2663, 0.4062



16.1777, 0.2475, 0.3172



4.8578, 0.3044, 0.3380



15.8148, 0.2627, 0.4657



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7119, 0.3882, 0.2776



12.6544, 0.4156, 0.2678



8.9592, 0.4394, 0.3398



4.3714, 0.3219, 0.3201



4.8039, 0.5252, 0.2667



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8986, 0.2721, 0.3893 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 16.8986, 0.2721, 0.3893 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 16.8986, 0.2721, 0.3893

Background



This preview shows how black text looks on a background with the Yxy color 16.8986, 0.2721, 0.3893.



This preview shows how white text looks on a background with the Yxy color 16.8986, 0.2721, 0.3893.

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

16.8986, 0.2721, 0.3893

Protanopia

16.6115, 0.3463, 0.3671

Deuteranopia

16.7405, 0.3454, 0.3406



Tritanopia

16.9627, 0.2502, 0.3077

Trichromacy



Original Color

16.8986, 0.2721, 0.3893

Protanomaly

16.4540, 0.3143, 0.3765

Deuteranomaly

16.4131, 0.3127, 0.3564

Tritanomaly

16.7872, 0.2583, 0.3355

Monochromacy



Original Color

16.8986, 0.2721, 0.3893

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6915, 0.2938, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8986, 0.2721, 0.3893 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(63, 126, 100)` looks like.

```
.text, #text, p{  
    color:rgb(63, 126, 100)  
}
```

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(63, 126, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 126, 100) }
```

Border

The CSS property to change the border of an element to Yxy 16.8986, 0.2721, 0.3893 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(63, 126, 100) }
```

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

```
.border{ border-color:rgb(63, 126, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 126, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 126, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 126, 100);  
box-shadow:4px 4px 4px 4px rgb(63, 126,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8986, 0.2721, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 126, 100) }
```

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

```
.background{ background-color: rgb(63, 126,  
100) }
```

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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