

Converting Colors

$Y_{xy}(16.7499, 0.2720, 0.4194)$

Have a look what the booklet for
Yxy(16.7499, 0.2720, 0.4194)
contains.

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Color

Yxy(16.8803, 0.2721, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	33805A
RGB	51, 128, 90
RGB Percent	20%, 50%, 35%
CMY	0.8001, 0.4980, 0.6471
CMYK	0.60, 0.00, 0.30, 0.50
HSL	150°, 43%, 35%
HSV	150°, 60%, 50%
XYZ	10.9282, 16.8803, 12.3540
YIQ	100.6450, -33.6940, -28.1420

Conversions

Conversions Part 2

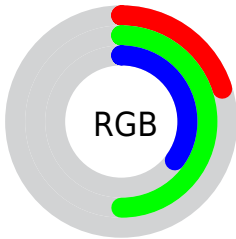
Format	Color
RYB	51, 102, 128
Decimal	3375194
CIELab	48.11, -33.20, 13.71
CIELCh	48, 35.919, 157.563
Yxy	16.8803, 0.2721, 0.4203
Android (android.graphics.Color)	4281565274 (0xFF33805A)
YUV	100.6450, -5.2480, -43.5387
Hunter-Lab	41.0856, -24.4213, 10.9321

Details

The Yxy color **16.8803, 0.2721, 0.4203** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.6749, 0.3981, 0.2570**, and the grayscale version is **12.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9445, 0.2829, 0.3963**, and **5.6306, 0.2625, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **16.4903, 0.2691, 0.4389**, and if you desaturate by 10%, it is **17.3724, 0.2766, 0.4023**.

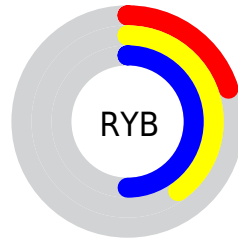
Distribution



Red (20%)

Green (50%)

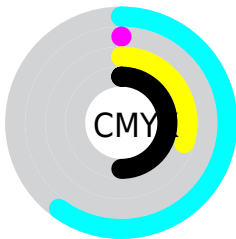
Blue (35%)



Red (20%)

Yellow (40%)

Blue (50%)

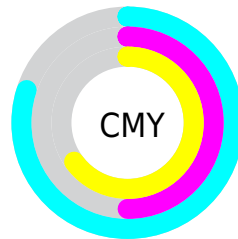


Cyan (60%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (80%)


Magenta (50%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8803, 0.2721, 0.4203 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 16.8803, 0.2721, 0.4203 by changing the saturation by 10% instead.


 16.8803, 0.2721,
0.4203


 16.8803, 0.2721,
0.4203


 234.4816, 0.2970,
0.3645


 10.1492, 0.2635,
0.4395


 38.1199, 0.2827,
0.3967


 5.4980, 0.2504,
0.4686

 53.3971, 0.2861,
0.3889


 2.5423, 0.2283,
0.5176

 72.2918, 0.2889,
0.3828

 0.8978, 0.0446,
0.9357

 95.1884, 0.2911,
0.3777

 0.0000, 0.0000,
0.0000

 122.4713, 0.2930,
0.3736

 154.5249, 0.2945,

0.3700

191.7335, 0.2959,
0.3671

■ 16.8803, 0.2721,
0.4203

■ 16.8803, 0.2721,
0.4203

■ 16.4903, 0.2691,
0.4389

■ 17.3724, 0.2766,
0.4023

■ 16.1923, 0.2679,
0.4575

■ 17.9715, 0.2824,
0.3852

■ 15.9779, 0.2686,
0.4759

■ 18.6848, 0.2891,
0.3692

■ 15.8200, 0.2704,
0.4934

■ 19.5182, 0.2966,
0.3546

■ 20.4771, 0.3045,
0.3412

■ 21.5667, 0.3126,
0.3292

■ 22.7918, 0.3207,
0.3185

■ 24.1569, 0.3287,
0.3090

■ 25.6666, 0.3366,
0.3006

Harmonies

Analogous

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



16.8803, 0.3392, 0.4571



16.8803, 0.2721, 0.4203



16.8803, 0.2195, 0.3493

Triad

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



16.8803, 0.2721, 0.4203



16.8803, 0.2214, 0.2214



16.8803, 0.4496, 0.3525

Complementary

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



16.8803, 0.2721, 0.4203



7.6749, 0.3981, 0.2570

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.



16.8803, 0.4115, 0.3010



16.8803, 0.2721, 0.4203



16.8803, 0.2740, 0.2293

Square

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



16.8803, 0.2721, 0.4203



16.8803, 0.1938, 0.2375



16.8803, 0.3441, 0.2576



16.8803, 0.4446, 0.4045

Rectangle

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



16.8803, 0.2721, 0.4203



16.8803, 0.1985, 0.3016



16.8803, 0.3441, 0.2576



16.8803, 0.4415, 0.3349

Sweetspot

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



16.8810, 0.2721, 0.4203



34.6441, 0.2980, 0.3521



17.8266, 0.3446, 0.4922



8.0179, 0.2960, 0.3556



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.8810, 0.2721, 0.4203



28.8309, 0.2685, 0.4453



17.7015, 0.2411, 0.3288



4.8523, 0.3053, 0.3398



15.6852, 0.2704, 0.4933



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.6749, 0.3981, 0.2570



11.0920, 0.4284, 0.2471



7.1927, 0.4894, 0.3295



4.3769, 0.3208, 0.3184



4.9083, 0.4921, 0.2485



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8803, 0.2721, 0.4203 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 16.8803, 0.2721, 0.4203 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 16.8803, 0.2721, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 16.8803, 0.2721, 0.4203.



This preview shows how white text looks on a background with the Yxy color 16.8803, 0.2721, 0.4203.

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

16.8803, 0.2721, 0.4203

Protanopia

16.5724, 0.3634, 0.3887

Deuteranopia

16.5707, 0.3638, 0.3577



Tritanopia

16.9557, 0.2451, 0.3095

Trichromacy



Original Color

16.8803, 0.2721, 0.4203

Protanomaly

16.1155, 0.3219, 0.3996

Deuteranomaly

16.1059, 0.3220, 0.3785

Tritanomaly

16.9122, 0.2545, 0.3468

Monochromacy



Original Color

16.8803, 0.2721, 0.4203

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.0709, 0.2933, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8803, 0.2721, 0.4203 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(51, 128, 90)` looks like.

```
.text, #text, p{  
    color:rgb(51, 128, 90)  
}
```

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(51, 128, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 128, 90) }
```

Border

The CSS property to change the border of an element to Yxy 16.8803, 0.2721, 0.4203 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(51, 128, 90) }
```

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

```
.border{ border-color:rgb(51, 128, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 128, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 128, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 128, 90);  
box-shadow:4px 4px 4px 4px rgb(51, 128,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8803, 0.2721, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 128, 90) }
```

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

```
.background{ background-color: rgb(51, 128,  
90) }
```

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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