

Converting Colors

$Yxy(16.0507, 0.2893, 0.4225)$

Have a look what the booklet for
Yxy(16.0507, 0.2893, 0.4225)
contains.

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Color

Yxy(15.9643, 0.2893, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	427B54
RGB	66, 123, 84
RGB Percent	26%, 48%, 33%
CMY	0.7410, 0.5177, 0.6706
CMYK	0.46, 0.00, 0.32, 0.52
HSL	139°, 30%, 37%
HSV	139°, 46%, 48%
XYZ	10.9313, 15.9643, 10.8897
YIQ	101.5110, -21.4530, -24.2130

Conversions

Conversions Part 2

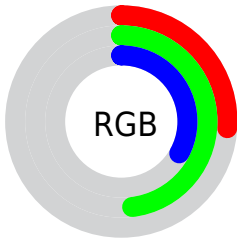
Format	Color
RYB	66, 109, 123
Decimal	4356948
CIELab	46.93, -28.09, 15.66
CIELCh	47, 32.157, 150.857
Yxy	15.9643, 0.2893, 0.4225
Android (android.graphics.Color)	4282547028 (0xFF427B54)
YUV	101.5110, -8.6329, -31.1431
Hunter-Lab	39.9554, -21.0864, 11.8094

Details

The Yxy color **15.9643, 0.2893, 0.4225** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.1325, 0.3493, 0.2518**, and the grayscale version is **13.1823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5538, 0.2956, 0.3978**, and **5.1222, 0.2737, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **15.4583, 0.2859, 0.4473**, and if you desaturate by 10%, it is **16.5794, 0.2936, 0.3989**.

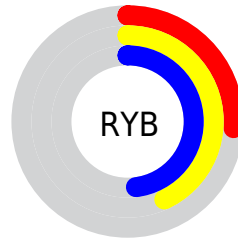
Distribution



Red (26%)

Green (48%)

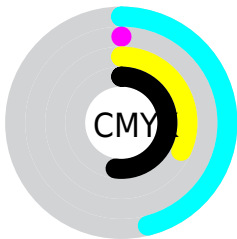
Blue (33%)



Red (26%)

Yellow (43%)

Blue (48%)

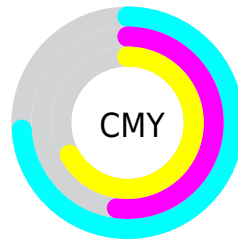


Cyan (46%)

Magenta (0%)

Yellow (32%)

Black (52%)



Cyan (74%)


Magenta (52%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9643, 0.2893, 0.4225 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 15.9643, 0.2893, 0.4225 by changing the saturation by 10% instead.


 15.9643, 0.2893,
0.4225


 15.9643, 0.2893,
0.4225


229.1310, 0.3044,
0.3649


 9.4989, 0.2836,
0.4425


 36.5362, 0.2960,
0.3980


 5.0680, 0.2744,
0.4731

 51.4115, 0.2981,
0.3900

 2.2872, 0.2576,
0.5252

 69.8589, 0.2997,
0.3837

 0.7669, 0.0535,
0.9465

 92.2628, 0.3010,
0.3785

 0.0000, 0.0000,
0.0000

 119.0075, 0.3021,
0.3742

150.4775, 0.3030,

0.3706

187.0572, 0.3037,
0.3676

■ 15.9643, 0.2893,
0.4225

■ 15.9643, 0.2893,
0.4225

■ 15.4583, 0.2859,
0.4473

■ 16.5794, 0.2936,
0.3989

■ 15.0529, 0.2836,
0.4727

■ 17.3076, 0.2985,
0.3771

■ 14.7416, 0.2828,
0.4977


■ 18.1550, 0.3038,
0.3572


■ 14.5160, 0.2835,
0.5213

■ 19.1269, 0.3093,
0.3393


■ 14.3610, 0.2854,
0.5426

■ 20.2279, 0.3147,
0.3234

 14.3104, 0.2861,
0.5499

 21.4628, 0.3201,
0.3093

 22.8358, 0.3252,
0.2969

 24.3511, 0.3302,
0.2861

 26.0127, 0.3348,
0.2767

Harmonies

Analogous

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



15.9643, 0.3517, 0.4467



15.9643, 0.2893, 0.4225



15.9643, 0.2363, 0.3631

Triad

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



15.9643, 0.2893, 0.4225



15.9643, 0.2208, 0.2311



15.9643, 0.4331, 0.3407

Complementary

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



15.9643, 0.2893, 0.4225



9.1325, 0.3493, 0.2518

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.



15.9643, 0.3907, 0.2937



15.9643, 0.2893, 0.4225



15.9643, 0.2649, 0.2334

Square

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



15.9643, 0.2893, 0.4225



15.9643, 0.2004, 0.2521



15.9643, 0.3268, 0.2558



15.9643, 0.4380, 0.3894

Rectangle

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



15.9643, 0.2893, 0.4225



15.9643, 0.2129, 0.3185



15.9643, 0.3268, 0.2558



15.9643, 0.4227, 0.3245

Sweetspot

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



15.9650, 0.2893, 0.4225



32.8364, 0.3049, 0.3535



17.6180, 0.3550, 0.4467



7.6628, 0.3039, 0.3569



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.



15.9650, 0.2893, 0.4225



27.5969, 0.2856, 0.4500



16.4862, 0.2633, 0.3547



4.4689, 0.3078, 0.3440



14.8036, 0.2862, 0.5502



70.4764, 0.2886, 0.5591

Inverse Universe

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



9.1325, 0.3493, 0.2518



13.6816, 0.3616, 0.2351



8.6535, 0.4055, 0.3058



4.0570, 0.3180, 0.3145



5.0213, 0.4164, 0.2068



23.7928, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 15.9643, 0.2893, 0.4225 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 15.9643, 0.2893, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

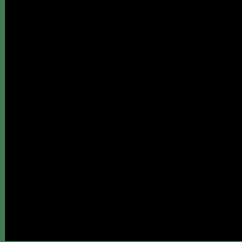
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9643, 0.2893, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 15.9643, 0.2893, 0.4225.



This preview shows how white text looks on a background with the Yxy color 15.9643, 0.2893, 0.4225.

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

15.9643, 0.2893, 0.4225

Protanopia

15.8553, 0.3654, 0.3940

Deuteranopia

15.6798, 0.3708, 0.3641



Tritanopia

16.0257, 0.2566, 0.3095

Trichromacy



Original Color

15.9643, 0.2893, 0.4225

Protanomaly

15.5649, 0.3339, 0.4038

Deuteranomaly

15.3406, 0.3359, 0.3829

Tritanomaly

15.9584, 0.2683, 0.3493

Monochromacy



Original Color

15.9643, 0.2893, 0.4225

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1019, 0.3032, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9643, 0.2893, 0.4225 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(66, 123, 84)` looks like.

```
.text, #text, p{  
    color:rgb(66, 123, 84)  
}
```

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(66, 123, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 123, 84) }
```

Border

The CSS property to change the border of an element to Yxy 15.9643, 0.2893, 0.4225 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(66, 123, 84) }
```

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

```
.border{ border-color:rgb(66, 123, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 123, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 123, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 123, 84);  
box-shadow:4px 4px 4px 4px rgb(66, 123,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9643, 0.2893, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 123, 84) }
```

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

```
.background{ background-color: rgb(66, 123,  
84) }
```

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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