

Converting Colors

$Y_{xy}(19.9119, 0.2896, 0.4228)$

Have a look what the booklet for
Yxy(19.9119, 0.2896, 0.4228)
contains.

Yxy(19.8545, 0.2899, 0.4231)	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(19.8545, 0.2899, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	4A885D
RGB	74, 136, 93
RGB Percent	29%, 53%, 36%
CMY	0.7098, 0.4667, 0.6353
CMYK	0.46, 0.00, 0.32, 0.47
HSL	138°, 30%, 41%
HSV	138°, 46%, 53%
XYZ	13.6039, 19.8545, 13.4678
YIQ	112.5600, -23.1490, -26.5170

Conversions

Conversions Part 2

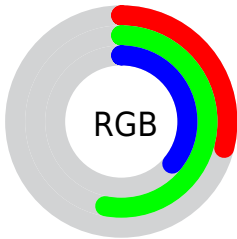
Format	Color
RYB	74, 121, 136
Decimal	4884573
CIELab	51.67, -30.15, 17.03
CIELCh	52, 34.623, 150.542
Yxy	19.8545, 0.2899, 0.4231
Android (android.graphics.Color)	4283074653 (0xFF4A885D)
YUV	112.5600, -9.6431, -33.8171
Hunter-Lab	44.5584, -23.4801, 13.2704

Details

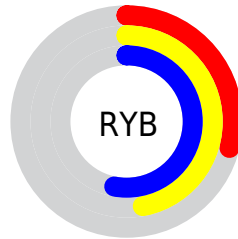
The Yxy color **19.8545, 0.2899, 0.4231** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.4181, 0.3480, 0.2513**, and the grayscale version is **16.4113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2761, 0.2957, 0.3993**, and **7.0202, 0.2767, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **19.2155, 0.2865, 0.4485**, and if you desaturate by 10%, it is **20.6325, 0.2942, 0.3990**.

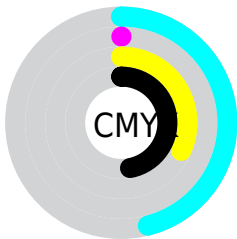
Distribution



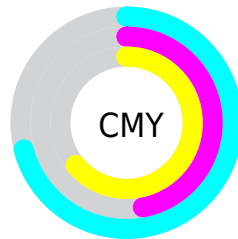
- Red (29%)
- Green (53%)
- Blue (36%)



- Red (29%)
- Yellow (47%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (32%)
- Black (47%)




- Cyan (71%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8545, 0.2899, 0.4231 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 19.8545, 0.2899, 0.4231 by changing the saturation by 10% instead.


 19.8545, 0.2899,
0.4231

 19.8545, 0.2899,
0.4231


251.1264, 0.3043,
0.3668


 12.2893, 0.2848,
0.4416


 43.1731, 0.2961,
0.3998


 6.9410, 0.2768,
0.4688


 59.6953, 0.2981,
0.3919

 3.4253, 0.2631,
0.5126

 79.9720, 0.2997,
0.3857

 1.3576, 0.2382,
0.6570

 104.3876, 0.3009,
0.3805

 0.1851, 0.0000,
1.0000

 133.3264, 0.3020,
0.3762

 0.0000, 0.0000,
0.0000

167.1729, 0.3029,

0.3726

206.3114, 0.3036,
0.3695

■ 19.8545, 0.2899,
0.4231

■ 19.8545, 0.2899,
0.4231

■ 19.2155, 0.2865,
0.4485

■ 20.6325, 0.2942,
0.3990

■ 18.7048, 0.2842,
0.4744

■ 21.5546, 0.2991,
0.3767

■ 18.3137, 0.2834,
0.4999

■ 22.6288, 0.3043,
0.3565

■ 18.0318, 0.2841,
0.5238

■ 23.8616, 0.3097,
0.3383

■ 17.8435, 0.2863,
0.5452


■ 25.2592, 0.3151,
0.3221

 17.7736, 0.2872,
0.5539

 26.8276, 0.3203,
0.3079

 28.5721, 0.3254,
0.2954

 30.4983, 0.3302,
0.2845

 32.6111, 0.3348,
0.2750

Harmonies

Analogous

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



19.8545, 0.3524, 0.4469



19.8545, 0.2899, 0.4231



19.8545, 0.2367, 0.3638

Triad

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



19.8545, 0.2899, 0.4231



19.8545, 0.2204, 0.2311



19.8545, 0.4330, 0.3402

Complementary

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



19.8545, 0.2899, 0.4231



11.4181, 0.3480, 0.2513

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.



19.8545, 0.3902, 0.2932



19.8545, 0.2899, 0.4231



19.8545, 0.2642, 0.2332

Square

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



19.8545, 0.2899, 0.4231



19.8545, 0.2002, 0.2523



19.8545, 0.3261, 0.2554



19.8545, 0.4383, 0.3890

Rectangle

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



19.8545, 0.2899, 0.4231



19.8545, 0.2130, 0.3192



19.8545, 0.3261, 0.2554



19.8545, 0.4224, 0.3240

Sweetspot

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



19.8553, 0.2899, 0.4231



40.1390, 0.3050, 0.3540



21.9136, 0.3548, 0.4460



9.2058, 0.3040, 0.3577



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.8553, 0.2899, 0.4231



33.8008, 0.2863, 0.4500



20.5105, 0.2635, 0.3546



5.6318, 0.3078, 0.3445



16.8230, 0.2871, 0.5534



0.1141, 0.2646, 0.4725

Inverse Universe

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



11.4181, 0.3480, 0.2513



16.9273, 0.3596, 0.2349



10.8117, 0.4047, 0.3060



5.1033, 0.3180, 0.3139



5.7269, 0.4138, 0.2053



0.0407, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 19.8545, 0.2899, 0.4231 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 19.8545, 0.2899, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

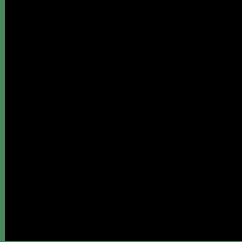
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8545, 0.2899, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 19.8545, 0.2899, 0.4231.



This preview shows how white text looks on a background with the Yxy color 19.8545, 0.2899, 0.4231.

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

19.8545, 0.2899, 0.4231

Protanopia

19.5127, 0.3673, 0.3939

Deuteranopia

19.6596, 0.3719, 0.3663



Tritanopia

19.7900, 0.2572, 0.3091

Trichromacy



Original Color

19.8545, 0.2899, 0.4231

Protanomaly

19.2795, 0.3353, 0.4054

Deuteranomaly

19.3633, 0.3370, 0.3858

Tritanomaly

19.6819, 0.2687, 0.3475

Monochromacy



Original Color

19.8545, 0.2899, 0.4231

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3680, 0.3028, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8545, 0.2899, 0.4231 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(74, 136, 93)` looks like.

```
.text, #text, p{  
    color:rgb(74, 136, 93)  
}
```

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(74, 136, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 136, 93) }
```

Border

The CSS property to change the border of an element to Yxy 19.8545, 0.2899, 0.4231 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(74, 136, 93) }
```

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

```
.border{ border-color:rgb(74, 136, 93) }
```

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

Here you see how a box with a 4 pixel rgb(74, 136, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 136, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 136, 93);  
box-shadow:4px 4px 4px 4px rgb(74, 136,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8545, 0.2899, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 136, 93) }
```

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

```
.background{ background-color: rgb(74, 136,  
93) }
```

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