

Converting Colors

$Yxy(20.4467, 0.2799, 0.4886)$

Have a look what the booklet for
Yxy(20.4467, 0.2799, 0.4886)
contains.

Yxy(20.4833, 0.2801, 0.4896)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4833, 0.2801, 0.4896)

Conversions

Conversions Part 1

Format	Color
Hex	238F49
RGB	35, 143, 73
RGB Percent	14%, 56%, 29%
CMY	0.8626, 0.4392, 0.7138
CMYK	0.75, 0.00, 0.49, 0.44
HSL	141°, 61%, 35%
HSV	141°, 75%, 56%
XYZ	11.7185, 20.4833, 9.6350
YIQ	102.7280, -41.8980, -44.6660

Conversions

Conversions Part 2

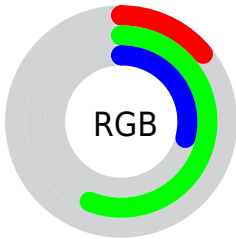
Format	Color
R_{YB}	35, 115, 143
Decimal	2330441
CIE _{Lab}	52.38, -45.88, 28.77
CIE _{LCh}	52, 54.157, 147.910
Y _{xy}	20.4833, 0.2801, 0.4896
Android (android.graphics.Color)	4280520521 (0xFF238F49)
YUV	102.7280, -14.6559, -59.3975
Hunter-Lab	45.2585, -32.9845, 19.0588

Details

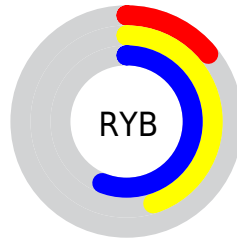
The Yxy color **20.4833, 0.2801, 0.4896** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0654, 0.3944, 0.2196**, and the grayscale version is **13.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3596, 0.2903, 0.4488**, and **7.5568, 0.2864, 0.5511** is the 20% darker color. If you saturate the color by 10%, you get **20.1688, 0.2808, 0.5128**, and if you desaturate by 10%, it is **20.9199, 0.2811, 0.4653**.

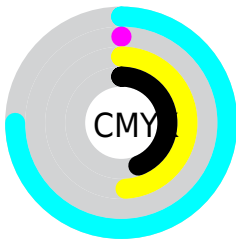
Distribution



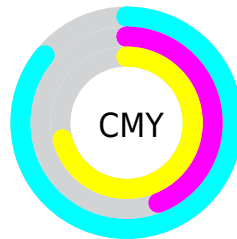
- Red (14%)
- Green (56%)
- Blue (29%)



- Red (14%)
- Yellow (45%)
- Blue (56%)



- Cyan (75%)
- Magenta (0%)
- Yellow (49%)
- Black (44%)





- Cyan (86%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4833, 0.2801, 0.4896 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 20.4833, 0.2801, 0.4896 by changing the saturation by 10% instead.


 20.4833, 0.2801,
0.4896


 20.4833, 0.2801,
0.4896

254.5196, 0.3024,
0.3920


 12.7468, 0.2712,
0.5219


 44.2260, 0.2903,
0.4488

 7.2545, 0.2567,
0.5691


 61.0010, 0.2934,
0.4352


 3.6217, 0.2317,
0.6459

 81.5577, 0.2958,
0.4244

 1.4643, 0.1108,
0.8892

 106.2804, 0.2977,
0.4155

 0.2634, 0.0000,
1.0000

 135.5536, 0.2992,
0.4081

 0.0000, 0.0000,
0.0000

 169.7616, 0.3005,

0.4019

209.2888, 0.3015,
0.3966

■ 20.4833, 0.2801,
0.4896

■ 20.4833, 0.2801,
0.4896

■ 20.1688, 0.2808,
0.5128

■ 20.9199, 0.2811,
0.4653

■ 19.9573, 0.2831,
0.5340

■ 21.4878, 0.2836,
0.4408

■ 19.8778, 0.2841,
0.5429

■ 22.1983, 0.2874,
0.4170

■ 23.0606, 0.2921,
0.3944

■ 24.0832, 0.2975,
0.3736

■ 25.2739, 0.3034,
0.3546

■ 26.6401, 0.3094,
0.3376

■ 28.1887, 0.3154,
0.3224

■ 29.9260, 0.3214,
0.3090

Harmonies

Analogous

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



20.4833, 0.3714, 0.5118



20.4833, 0.2801, 0.4896



20.4833, 0.2026, 0.3918

Triad

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



20.4833, 0.2801, 0.4896



20.4833, 0.1753, 0.1882



20.4833, 0.4944, 0.3312

Complementary

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



20.4833, 0.2801, 0.4896



8.0654, 0.3944, 0.2196

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.



20.4833, 0.4236, 0.2688



20.4833, 0.2801, 0.4896



20.4833, 0.2322, 0.1907

Square

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



20.4833, 0.2801, 0.4896



20.4833, 0.1513, 0.2166



20.4833, 0.3215, 0.2191



20.4833, 0.5017, 0.3992

Rectangle

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



20.4833, 0.2801, 0.4896



20.4833, 0.1694, 0.3172



20.4833, 0.3215, 0.2191



20.4833, 0.4771, 0.3095

Sweetspot

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



20.4841, 0.2801, 0.4896



43.5324, 0.2987, 0.3696



22.7833, 0.3639, 0.5189



9.8332, 0.2968, 0.3761



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.4841, 0.2801, 0.4896



35.8236, 0.2824, 0.5288



21.5307, 0.2418, 0.3632



6.0587, 0.3072, 0.3436



17.5791, 0.2839, 0.5420



0.1720, 0.2607, 0.4586

Inverse Universe

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



8.0654, 0.3944, 0.2196



12.3737, 0.4208, 0.2144



7.2853, 0.5283, 0.3071



5.4793, 0.3187, 0.3148



5.8623, 0.4310, 0.2148



0.0602, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 20.4833, 0.2801, 0.4896 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 20.4833, 0.2801, 0.4896 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 20.4833, 0.2801, 0.4896

Background



This preview shows how black text looks on a background with the Yxy color 20.4833, 0.2801, 0.4896.



This preview shows how white text looks on a background with the Yxy color 20.4833, 0.2801, 0.4896.

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

20.4833, 0.2801, 0.4896

Protanopia

20.1270, 0.3963, 0.4310

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.4600, 0.2385, 0.3069

Trichromacy



Original Color

20.4833, 0.2801, 0.4896

Protanomaly

19.3716, 0.3405, 0.4566

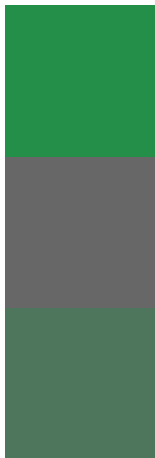
Deuteranomaly

19.1623, 0.3439, 0.4323

Tritanomaly

20.2658, 0.2535, 0.3699

Monochromacy



Original Color

20.4833, 0.2801, 0.4896

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.3493, 0.2933, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4833, 0.2801, 0.4896 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(35, 143, 73)` looks like.

```
.text, #text, p{  
    color:rgb(35, 143, 73)  
}
```

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(35, 143, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 143, 73) }
```

Border

The CSS property to change the border of an element to Yxy 20.4833, 0.2801, 0.4896 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(35, 143, 73) }
```

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

```
.border{ border-color:rgb(35, 143, 73) }
```

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

Here you see how a box with a 4 pixel rgb(35, 143, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 143, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 143, 73);  
box-shadow:4px 4px 4px 4px rgb(35, 143,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4833, 0.2801, 0.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 143, 73) }
```

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

```
.background{ background-color: rgb(35, 143,  
73) }
```

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