

Converting Colors

$Yxy(20.1443, 0.2696, 0.3833)$

Have a look what the booklet for
Yxy(20.1443, 0.2696, 0.3833)
contains.

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Color

Yxy(19.9850, 0.2693, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	44886F
RGB	68, 136, 111
RGB Percent	27%, 53%, 44%
CMY	0.7334, 0.4666, 0.5647
CMYK	0.50, 0.00, 0.18, 0.47
HSL	158°, 33%, 40%
HSV	158°, 50%, 53%
XYZ	14.0558, 19.9850, 18.1530
YIQ	112.8180, -32.5030, -22.1910

Conversions

Conversions Part 2

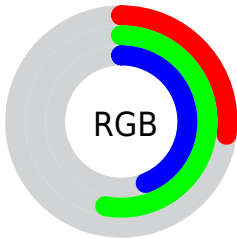
Format	Color
RYB	68, 110, 136
Decimal	4491375
CIELab	51.82, -27.92, 6.86
CIELCh	52, 28.749, 166.205
Yxy	19.9850, 0.2693, 0.3829
Android (android.graphics.Color)	4282681455 (0xFF44886F)
YUV	112.8180, -0.8963, -39.3054
Hunter-Lab	44.7046, -22.1100, 7.2176

Details

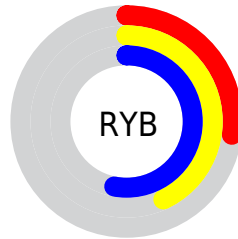
The Yxy color **19.9850, 0.2693, 0.3829** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.1568, 0.3952, 0.2828**, and the grayscale version is **16.4654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5362, 0.2795, 0.3697**, and **7.0661, 0.2510, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **19.4453, 0.2637, 0.3961**, and if you desaturate by 10%, it is **20.6459, 0.2763, 0.3704**.

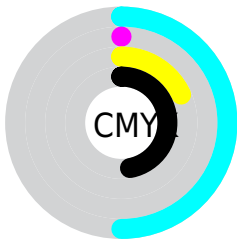
Distribution



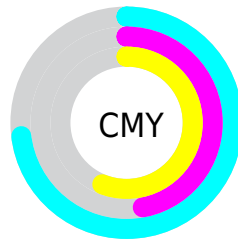
- Red (27%)
- Green (53%)
- Blue (44%)



- Red (27%)
- Yellow (43%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9850, 0.2693, 0.3829 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 19.9850, 0.2693, 0.3829 by changing the saturation by 10% instead.


 19.9850, 0.2693,
0.3829


 19.9850, 0.2693,
0.3829


251.8339, 0.2944,
0.3513


 12.3841, 0.2615,
0.3930


 43.3920, 0.2794,
0.3700


 7.0059, 0.2503,
0.4076


 59.9670, 0.2829,
0.3656

 3.4658, 0.2331,
0.4308

 80.3021, 0.2858,
0.3621

 1.3795, 0.1947,
0.4778

 104.7818, 0.2881,
0.3591

 0.2015, 0.0000,
1.0000

 133.7904, 0.2901,
0.3567

 0.0000, 0.0000,
0.0000

167.7124, 0.2917,

0.3546

206.9321, 0.2932,
0.3528

■ 19.9850, 0.2693,
0.3829

■ 19.9850, 0.2693,
0.3829

■ 19.4453, 0.2637,
0.3961

■ 20.6459, 0.2763,
0.3704

■ 19.0163, 0.2598,
0.4097

■ 21.4330, 0.2844,
0.3587

■ 18.6898, 0.2577,
0.4235

■ 22.3537, 0.2933,
0.3478

■ 18.4552, 0.2575,
0.4373

■ 23.4142, 0.3029,
0.3380

■ 18.2819, 0.2586,
0.4509

■ 24.6204, 0.3127,
0.3290

■ 25.9777, 0.3227,
0.3210

■ 27.4914, 0.3326,
0.3139

■ 29.1663, 0.3424,
0.3075

■ 31.0073, 0.3519,
0.3020

Harmonies

Analogous

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



19.9850, 0.3196, 0.4194



19.9850, 0.2693, 0.3829



19.9850, 0.2326, 0.3295

Triad

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



19.9850, 0.2693, 0.3829



19.9850, 0.2522, 0.2447



19.9850, 0.4190, 0.3618

Complementary

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



19.9850, 0.2693, 0.3829



10.1568, 0.3952, 0.2828

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.



19.9850, 0.3986, 0.3199



19.9850, 0.2693, 0.3829



19.9850, 0.2985, 0.2556

Square

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



19.9850, 0.2693, 0.3829



19.9850, 0.2238, 0.2528



19.9850, 0.3529, 0.2824



19.9850, 0.4077, 0.4001

Rectangle

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



19.9850, 0.2693, 0.3829



19.9850, 0.2196, 0.2961



19.9850, 0.3529, 0.2824



19.9850, 0.4157, 0.3478

Sweetspot

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



19.9858, 0.2693, 0.3829



40.2354, 0.2977, 0.3431



20.4098, 0.3325, 0.4690



9.2400, 0.2960, 0.3449



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.



19.9858, 0.2693, 0.3829



34.1572, 0.2631, 0.3978



18.4625, 0.2462, 0.3123



5.6579, 0.3037, 0.3372



17.3033, 0.2585, 0.4506



0.1178, 0.2416, 0.3896

Inverse Universe

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



10.1568, 0.3952, 0.2828



14.7607, 0.4252, 0.2743



10.8092, 0.4386, 0.3441



5.0770, 0.3227, 0.3210



5.1738, 0.5440, 0.2770



0.0370, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 19.9850, 0.2693, 0.3829 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 19.9850, 0.2693, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

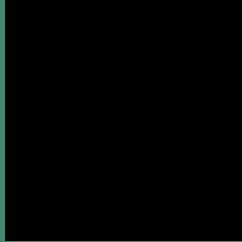
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9850, 0.2693, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 19.9850, 0.2693, 0.3829.



This preview shows how white text looks on a background with the Yxy color 19.9850, 0.2693, 0.3829.

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

19.9850, 0.2693, 0.3829

Protanopia

19.8325, 0.3425, 0.3645

Deuteranopia

19.8347, 0.3420, 0.3362



Tritanopia

20.0333, 0.2498, 0.3090

Trichromacy



Original Color

19.9850, 0.2693, 0.3829

Protanomaly

19.6257, 0.3107, 0.3710

Deuteranomaly

19.3928, 0.3105, 0.3505

Tritanomaly

19.8696, 0.2565, 0.3329

Monochromacy



Original Color

19.9850, 0.2693, 0.3829

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3860, 0.2939, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9850, 0.2693, 0.3829 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(68, 136, 111)` looks like.

```
.text, #text, p{  
  color:rgb(68, 136, 111)  
}
```

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(68, 136, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.9850, 0.2693, 0.3829 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(68, 136, 111) }
```

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

```
.border{ border-color:rgb(68, 136, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 111);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9850, 0.2693, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 111) }
```

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

```
.background{ background-color: rgb(68, 136,  
111) }
```

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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