

Converting Colors

$Y_{xy}(20.1231, 0.2827, 0.3929)$

Have a look what the booklet for
Yxy(20.1231, 0.2827, 0.3929)
contains.

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Color

Yxy(19.9676, 0.2827, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	4E8769
RGB	78, 135, 105
RGB Percent	31%, 53%, 41%
CMY	0.6940, 0.4706, 0.5883
CMYK	0.42, 0.00, 0.22, 0.47
HSL	148°, 27%, 42%
HSV	148°, 42%, 53%
XYZ	14.3562, 19.9676, 16.4585
YIQ	114.5370, -24.3420, -21.4140

Conversions

Conversions Part 2

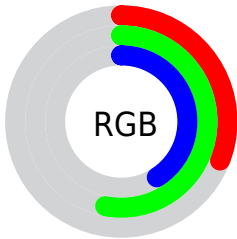
Format	Color
R_{YB}	78, 117, 135
Decimal	5146473
CIE _{Lab}	51.80, -25.96, 10.36
CIE _{LCh}	52, 27.955, 158.250
Yxy	19.9676, 0.2827, 0.3932
Android (android.graphics.Color)	4283336553 (0xFF4E8769)
YUV	114.5370, -4.7017, -32.0429
Hunter-Lab	44.6851, -20.8516, 9.4417

Details

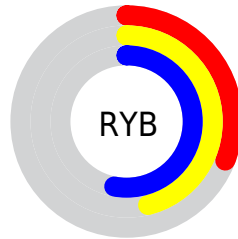
The Yxy color **19.9676, 0.2827, 0.3932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.6857, 0.3608, 0.2733**, and the grayscale version is **17.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5413, 0.2904, 0.3785**, and **7.0355, 0.2685, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **19.3152, 0.2775, 0.4119**, and if you desaturate by 10%, it is **20.7509, 0.2890, 0.3757**.

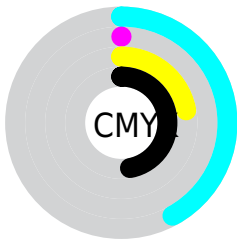
Distribution



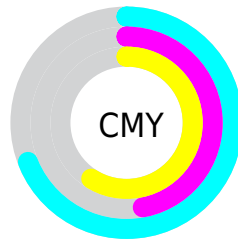
- Red (31%)
- Green (53%)
- Blue (41%)



- Red (31%)
- Yellow (46%)
- Blue (53%)



- Cyan (42%)
- Magenta (0%)
- Yellow (22%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9676, 0.2827, 0.3932 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 19.9676, 0.2827, 0.3932 by changing the saturation by 10% instead.

■ 19.9676, 0.2827,
0.3932

■ 19.9676, 0.2827,
0.3932

■ 251.7397, 0.3004,
0.3553

■ 12.3715, 0.2770,
0.4054

■ 43.3629, 0.2900,
0.3776

■ 6.9972, 0.2686,
0.4233

■ 59.9308, 0.2925,
0.3723

■ 3.4604, 0.2552,
0.4520

■ 80.2581, 0.2944,
0.3681

■ 1.3765, 0.2266,
0.5131

■ 104.7293, 0.2961,
0.3646

■ 0.1993, 0.0000,
1.0000

■ 133.7286, 0.2974,
0.3617

■ 0.0000, 0.0000,
0.0000

167.6405, 0.2986,

0.3592

206.8494, 0.2996,
0.3571

■ 19.9676, 0.2827,
0.3932

■ 19.9676, 0.2827,
0.3932

■ 19.3152, 0.2775,
0.4119

■ 20.7509, 0.2890,
0.3757

■ 18.7839, 0.2735,
0.4315

■ 21.6696, 0.2959,
0.3596

■ 18.3660, 0.2712,
0.4515

■ 22.7309, 0.3034,
0.3449


■ 18.0521, 0.2707,
0.4714


■ 23.9407, 0.3110,
0.3317

■ 17.8313, 0.2720,
0.4907


■ 25.3047, 0.3187,
0.3200

 17.6973, 0.2737,
0.5052

 26.8282, 0.3263,
0.3095

 28.5163, 0.3338,
0.3003

 30.3739, 0.3409,
0.2923

 32.4055, 0.3478,
0.2852

Harmonies

Analogous

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



19.9676, 0.3333, 0.4211



19.9676, 0.2827, 0.3932



19.9676, 0.2424, 0.3436

Triad

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



19.9676, 0.2827, 0.3932



19.9676, 0.2445, 0.2469



19.9676, 0.4138, 0.3503

Complementary

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



19.9676, 0.2827, 0.3932



11.6857, 0.3608, 0.2733

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.



19.9676, 0.3863, 0.3099



19.9676, 0.2827, 0.3932



19.9676, 0.2857, 0.2529

Square

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



19.9676, 0.2827, 0.3932



19.9676, 0.2221, 0.2604



19.9676, 0.3379, 0.2754



19.9676, 0.4109, 0.3895

Rectangle

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



19.9676, 0.2827, 0.3932



19.9676, 0.2258, 0.3094



19.9676, 0.3379, 0.2754



19.9676, 0.4078, 0.3366

Sweetspot

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



19.9684, 0.2827, 0.3932



40.4876, 0.3025, 0.3464



21.0925, 0.3405, 0.4413



9.2862, 0.3011, 0.3492



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.



19.9684, 0.2827, 0.3932



34.5964, 0.2775, 0.4118



20.6450, 0.2586, 0.3327



5.2387, 0.3057, 0.3407



16.3215, 0.2735, 0.5046



0.0580, 0.2515, 0.4254

Inverse Universe

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



11.6857, 0.3608, 0.2733



17.6210, 0.3776, 0.2609



11.1803, 0.4126, 0.3257



4.7266, 0.3204, 0.3176



5.1732, 0.4789, 0.2412



0.0194, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 19.9676, 0.2827, 0.3932 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 19.9676, 0.2827, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

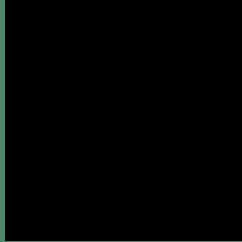
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9676, 0.2827, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 19.9676, 0.2827, 0.3932.



This preview shows how white text looks on a background with the Yxy color 19.9676, 0.2827, 0.3932.

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

19.9676, 0.2827, 0.3932

Protanopia

19.8126, 0.3498, 0.3738

Deuteranopia

19.6364, 0.3525, 0.3452



Tritanopia

19.9146, 0.2580, 0.3073

Trichromacy



Original Color

19.9676, 0.2827, 0.3932

Protanomaly

19.4978, 0.3222, 0.3808

Deuteranomaly

19.2799, 0.3223, 0.3602

Tritanomaly

19.9459, 0.2670, 0.3370

Monochromacy



Original Color

19.9676, 0.2827, 0.3932

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.8915, 0.3008, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9676, 0.2827, 0.3932 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(78, 135, 105)` looks like.

```
.text, #text, p{  
  color:rgb(78, 135, 105)  
}
```

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(78, 135, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 135, 105) }
```

Border

The CSS property to change the border of an element to Yxy 19.9676, 0.2827, 0.3932 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(78, 135, 105) }
```

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

```
.border{ border-color:rgb(78, 135, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 135, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 135, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 135, 105);  
box-shadow:4px 4px 4px 4px rgb(78, 135,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9676, 0.2827, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 135, 105) }
```

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

```
.background{ background-color: rgb(78, 135,  
105) }
```

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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