

Converting Colors

$Yxy(19.7247, 0.2762, 0.4002)$

Have a look what the booklet for
Yxy(19.7247, 0.2762, 0.4002)
contains.

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Color

$\text{Yxy}(19.8165, 0.2761, 0.4012)$

Conversions

Conversions Part 1

Format	Color
Hex	448867
RGB	68, 136, 103
RGB Percent	27%, 53%, 40%
CMY	0.7332, 0.4667, 0.5961
CMYK	0.50, 0.00, 0.24, 0.47
HSL	151°, 33%, 40%
HSV	151°, 50%, 53%
XYZ	13.6374, 19.8165, 15.9391
YIQ	111.9060, -29.9350, -24.6790

Conversions

Conversions Part 2

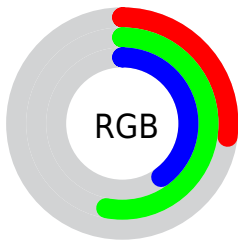
Format	Color
RYB	68, 113, 136
Decimal	4491367
CIELab	51.63, -29.75, 11.20
CIELCh	52, 31.783, 159.374
Yxy	19.8165, 0.2761, 0.4012
Android (android.graphics.Color)	4282681447 (0xFF448867)
YUV	111.9060, -4.3907, -38.5056
Hunter-Lab	44.5157, -23.2189, 9.9318

Details

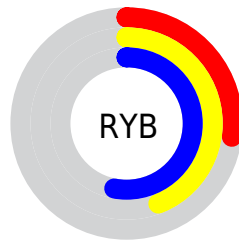
The Yxy color **19.8165, 0.2761, 0.4012** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3110, 0.3793, 0.2684**, and the grayscale version is **16.1958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2250, 0.2854, 0.3840**, and **6.9992, 0.2592, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **19.2562, 0.2715, 0.4190**, and if you desaturate by 10%, it is **20.5024, 0.2820, 0.3843**.

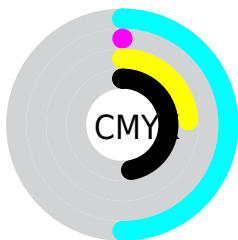
Distribution



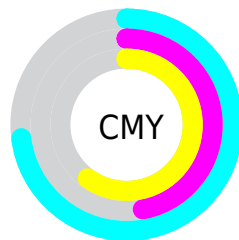
- Red (27%)
- Green (53%)
- Blue (40%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (24%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8165, 0.2761, 0.4012 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 19.8165, 0.2761, 0.4012 by changing the saturation by 10% instead.


 19.8165, 0.2761,
0.4012


 19.8165, 0.2761,
0.4012


250.9200, 0.2978,
0.3583

 12.2617, 0.2691,
0.4151


 43.1093, 0.2850,
0.3835


 6.9222, 0.2589,
0.4356


 59.6162, 0.2880,
0.3776


 3.4135, 0.2425,
0.4685

 79.8758, 0.2904,
0.3728

 1.3512, 0.2016,
0.5476

 104.2726, 0.2924,
0.3689

 0.1804, 0.0000,
1.0000

 133.1911, 0.2941,
0.3656

 0.0000, 0.0000,
0.0000

167.0155, 0.2955,

0.3628

206.1304, 0.2967,
0.3604

■ 19.8165, 0.2761,
0.4012

■ 19.8165, 0.2761,
0.4012

■ 19.2562, 0.2715,
0.4190

■ 20.5024, 0.2820,
0.3843

■ 18.8108, 0.2685,
0.4374

■ 21.3188, 0.2889,
0.3685

■ 18.4719, 0.2673,
0.4558


■ 22.2734, 0.2965,
0.3540

■ 18.2288, 0.2680,
0.4740

■ 23.3725, 0.3045,
0.3408

■ 18.0505, 0.2699,
0.4916


■ 24.6221, 0.3127,
0.3290

 18.0503, 0.2699,
0.4916

 26.0278, 0.3210,
0.3184

 27.5949, 0.3292,
0.3090

 29.3284, 0.3372,
0.3008

 31.2331, 0.3449,
0.2935

Harmonies

Analogous

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



19.8165, 0.3330, 0.4344



19.8165, 0.2761, 0.4012



19.8165, 0.2317, 0.3429

Triad

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



19.8165, 0.2761, 0.4012



19.8165, 0.2371, 0.2366



19.8165, 0.4285, 0.3537

Complementary

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



19.8165, 0.2761, 0.4012



10.3110, 0.3793, 0.2684

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.



19.8165, 0.3984, 0.3085



19.8165, 0.2761, 0.4012



19.8165, 0.2837, 0.2443

Square

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



19.8165, 0.2761, 0.4012



19.8165, 0.2114, 0.2501



19.8165, 0.3433, 0.2699



19.8165, 0.4233, 0.3977

Rectangle

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



19.8165, 0.2761, 0.4012



19.8165, 0.2141, 0.3039



19.8165, 0.3433, 0.2699



19.8165, 0.4222, 0.3383

Sweetspot

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



19.8173, 0.2761, 0.4012



40.1225, 0.3002, 0.3477



20.8512, 0.3416, 0.4647



9.2110, 0.2987, 0.3502



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.



19.8173, 0.2761, 0.4012



33.8206, 0.2710, 0.4214



20.6155, 0.2494, 0.3288



5.6484, 0.3052, 0.3398



17.0860, 0.2698, 0.4913



0.1165, 0.2487, 0.4154

Inverse Universe

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



10.3110, 0.3793, 0.2684



15.0481, 0.4027, 0.2568



9.7887, 0.4464, 0.3294



5.0864, 0.3210, 0.3184



5.3283, 0.4962, 0.2507



0.0383, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 19.8165, 0.2761, 0.4012 looks on a white background.

Color Contrast Check

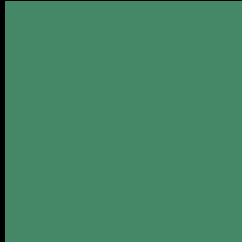
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8165, 0.2761, 0.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

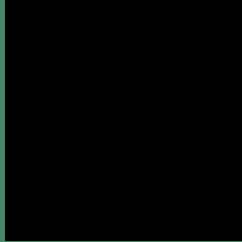
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8165, 0.2761, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 19.8165, 0.2761, 0.4012.



This preview shows how white text looks on a background with the Yxy color 19.8165, 0.2761, 0.4012.

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

19.8165, 0.2761, 0.4012

Protanopia

19.5094, 0.3538, 0.3777

Deuteranopia

19.5939, 0.3551, 0.3488



Tritanopia

19.7754, 0.2510, 0.3089

Trichromacy



Original Color

19.8165, 0.2761, 0.4012

Protanomaly

19.2054, 0.3195, 0.3858

Deuteranomaly

19.2852, 0.3206, 0.3664

Tritanomaly

19.7632, 0.2598, 0.3413

Monochromacy



Original Color

19.8165, 0.2761, 0.4012

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.2657, 0.2960, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8165, 0.2761, 0.4012 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 103) }
```

Border

The CSS property to change the border of an element to Yxy 19.8165, 0.2761, 0.4012 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, 103) }
```

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

```
.border{ border-color:rgb(68, 136, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 103);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8165, 0.2761, 0.4012 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, 103) }
```

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

```
.background{ background-color: rgb(68, 136,  
103) }
```

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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