

Converting Colors

$Yxy(18.5043, 0.2863, 0.3894)$

Have a look what the booklet for
Yxy(18.5043, 0.2863, 0.3894)
contains.

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Color

Yxy(18.6300, 0.2866, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	508266
RGB	80, 130, 102
RGB Percent	31%, 51%, 40%
CMY	0.6862, 0.4902, 0.5999
CMYK	0.38, 0.00, 0.22, 0.49
HSL	146°, 24%, 41%
HSV	146°, 38%, 51%
XYZ	13.6907, 18.6300, 15.4486
YIQ	111.8580, -20.8120, -19.3080

Conversions

Conversions Part 2

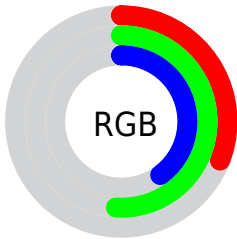
Format	Color
RYB	80, 115, 130
Decimal	5276262
CIELab	50.25, -23.47, 9.91
CIElCh	50, 25.476, 157.099
Yxy	18.6300, 0.2866, 0.3900
Android (android.graphics.Color)	4283466342 (0xFF508266)
YUV	111.8580, -4.8600, -27.9395
Hunter-Lab	43.1625, -18.9161, 8.9929

Details

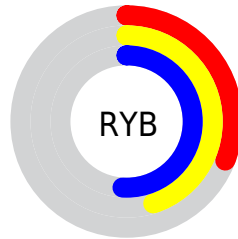
The Yxy color **18.6300, 0.2866, 0.3900** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.5681, 0.3520, 0.2755**, and the grayscale version is **16.1801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9922, 0.2929, 0.3747**, and **6.3045, 0.2741, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **17.9803, 0.2813, 0.4094**, and if you desaturate by 10%, it is **19.4034, 0.2928, 0.3719**.

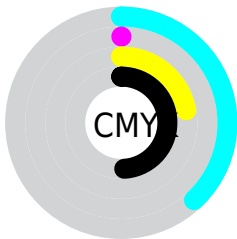
Distribution



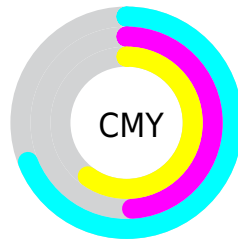
- Red (31%)
- Green (51%)
- Blue (40%)



- Red (31%)
- Yellow (45%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (49%)




- Cyan (69%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6300, 0.2866, 0.3900 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 18.6300, 0.2866, 0.3900 by changing the saturation by 10% instead.


 18.6300, 0.2866,
0.3900


 18.6300, 0.2866,
0.3900


244.3985, 0.3022,
0.3537


 11.4032, 0.2815,
0.4019


 41.1079, 0.2931,
0.3750


 6.3387, 0.2738,
0.4195


 57.1279, 0.2952,
0.3699

 3.0521, 0.2614,
0.4481

 76.8477, 0.2970,
0.3659

 1.1590, 0.2291,
0.5250

 100.6518, 0.2984,
0.3626

 0.0278, 0.0000,
1.0000

 128.9245, 0.2996,
0.3598

 0.0000, 0.0000,
0.0000

162.0503, 0.3006,

0.3574

200.4135, 0.3015,
0.3554

■ 18.6300, 0.2866,
0.3900

■ 18.6300, 0.2866,
0.3900

■ 17.9803, 0.2813,
0.4094

■ 19.4034, 0.2928,
0.3719

■ 17.4454, 0.2771,
0.4299

■ 20.3044, 0.2995,
0.3554

■ 17.0186, 0.2743,
0.4510


■ 21.3395, 0.3066,
0.3404


■ 16.6918, 0.2733,
0.4722

■ 22.5139, 0.3138,
0.3270

■ 16.4556, 0.2740,
0.4927

■ 23.8329, 0.3210,
0.3151

 16.2870, 0.2761,
0.5122

 25.3011, 0.3281,
0.3046

 16.2626, 0.2764,
0.5152

 26.9233, 0.3349,
0.2953

 28.7037, 0.3414,
0.2872

 30.6465, 0.3477,
0.2801

Harmonies

Analogous

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



18.6300, 0.3341, 0.4149



18.6300, 0.2866, 0.3900



18.6300, 0.2481, 0.3447

Triad

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



18.6300, 0.2866, 0.3900



18.6300, 0.2477, 0.2522



18.6300, 0.4065, 0.3479

Complementary

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



18.6300, 0.2866, 0.3900



11.5681, 0.3520, 0.2755

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.



18.6300, 0.3799, 0.3099



18.6300, 0.2866, 0.3900



18.6300, 0.2858, 0.2570

Square

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



18.6300, 0.2866, 0.3900



18.6300, 0.2272, 0.2658



18.6300, 0.3344, 0.2776



18.6300, 0.4051, 0.3847

Rectangle

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



18.6300, 0.2866, 0.3900



18.6300, 0.2319, 0.3128



18.6300, 0.3344, 0.2776



18.6300, 0.4005, 0.3350

Sweetspot

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



18.6308, 0.2866, 0.3900



36.8559, 0.3039, 0.3460



19.7539, 0.3404, 0.4295



8.2996, 0.3032, 0.3475



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.6308, 0.2866, 0.3900



31.8139, 0.2820, 0.4066



19.1948, 0.2641, 0.3357



4.8477, 0.3062, 0.3413



15.5949, 0.2763, 0.5148



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.5681, 0.3520, 0.2755



17.5473, 0.3645, 0.2637



11.1153, 0.3963, 0.3227



4.3814, 0.3198, 0.3170



5.0104, 0.4650, 0.2335



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6300, 0.2866, 0.3900 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 18.6300, 0.2866, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

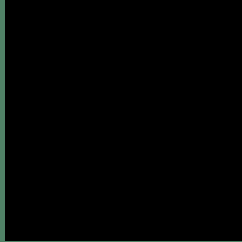
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6300, 0.2866, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 18.6300, 0.2866, 0.3900.



This preview shows how white text looks on a background with the Yxy color 18.6300, 0.2866, 0.3900.

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

18.6300, 0.2866, 0.3900

Protanopia

18.4923, 0.3485, 0.3712

Deuteranopia

18.5156, 0.3534, 0.3474



Tritanopia

18.5195, 0.2618, 0.3068

Trichromacy



Original Color

18.6300, 0.2866, 0.3900

Protanomaly

18.3180, 0.3227, 0.3779

Deuteranomaly

18.1454, 0.3264, 0.3608

Tritanomaly

18.5653, 0.2703, 0.3351

Monochromacy



Original Color

18.6300, 0.2866, 0.3900

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9857, 0.3018, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6300, 0.2866, 0.3900 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(80, 130, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 130, 102)  
}
```

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(80, 130, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 130, 102) }
```

Border

The CSS property to change the border of an element to Yxy 18.6300, 0.2866, 0.3900 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(80, 130, 102) }
```

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

```
.border{ border-color:rgb(80, 130, 102) }
```

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

Here you see how a box with a 4 pixel rgb(80, 130, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 130, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 130, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 130,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6300, 0.2866, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 130, 102) }
```

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

```
.background{ background-color: rgb(80, 130,  
102) }
```

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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