

Converting Colors

$Y_{xy}(18.2343, 0.3076, 0.4141)$

Have a look what the booklet for
Yxy(18.2343, 0.3076, 0.4141)
contains.

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Color

Yxy(18.2343, 0.3076, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	588059
RGB	88, 128, 89
RGB Percent	35%, 50%, 35%
CMY	0.6550, 0.4980, 0.6510
CMYK	0.31, 0.00, 0.30, 0.50
HSL	122°, 19%, 42%
HSV	122°, 31%, 50%
XYZ	13.5447, 18.2343, 12.2545
YIQ	111.5940, -11.3210, -20.6090

Conversions

Conversions Part 2

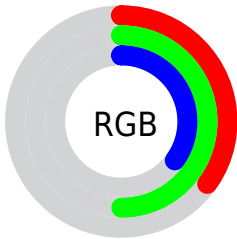
Format	Color
R_{YB}	88, 127, 128
Decimal	5800025
CIE _{Lab}	49.78, -22.37, 16.85
CIE _{LCh}	50, 28.003, 143.007
Yxy	18.2343, 0.3076, 0.4141
Android (android.graphics.Color)	4283990105 (0xFF588059)
YUV	111.5940, -11.1388, -20.6919
Hunter-Lab	42.7016, -18.1087, 12.8761

Details

The Yxy color **18.2343, 0.3076, 0.4141** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.0974, 0.3176, 0.2565**, and the grayscale version is **16.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4008, 0.3097, 0.3931**, and **6.2175, 0.3021, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **17.4723, 0.3058, 0.4468**, and if you desaturate by 10%, it is **19.1430, 0.3094, 0.3837**.

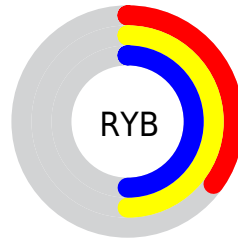
Distribution



Red (35%)

Green (50%)

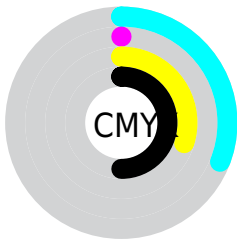
Blue (35%)



Red (35%)

Yellow (50%)

Blue (50%)

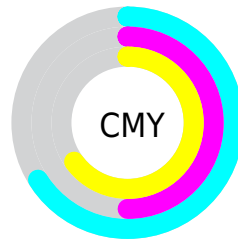


Cyan (31%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (66%)


Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2343, 0.3076, 0.4141 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 18.2343, 0.3076, 0.4141 by changing the saturation by 10% instead.


 18.2343, 0.3076,
0.4141


 18.2343, 0.3076,
0.4141


242.1884, 0.3116,
0.3630

 11.1183, 0.3056,
0.4310


 40.4362, 0.3096,
0.3928


 6.1465, 0.3022,
0.4561

 56.2908, 0.3102,
0.3857


 2.9344, 0.2952,
0.4970

 75.8272, 0.3106,
0.3800

 1.0976, 0.3054,
0.6941

 99.4297, 0.3109,
0.3754

 0.0000, 0.0000,
0.0000

 127.4827, 0.3112,
0.3715

160.3705, 0.3114,

0.3682

198.4776, 0.3115,
0.3654

■ 18.2343, 0.3076,
0.4141

■ 18.2343, 0.3076,
0.4141

■ 17.4723, 0.3058,
0.4468

■ 19.1430, 0.3094,
0.3837

■ 16.8473, 0.3040,
0.4807

■ 20.2032, 0.3110,
0.3562

■ 16.3518, 0.3024,
0.5138

■ 21.4221, 0.3125,
0.3319

■ 15.9766, 0.3011,
0.5441

■ 22.8059, 0.3139,
0.3106

■ 15.7116, 0.3002,
0.5690

■ 24.3604, 0.3151,
0.2921

■ 15.5448, 0.2998,
0.5869

■ 26.0911, 0.3162,
0.2762

■ 15.4476, 0.2993,
0.5975

■ 28.0034, 0.3172,
0.2624

■ 30.1023, 0.3181,
0.2506

■ 32.3927, 0.3188,
0.2403

Harmonies

Analogous

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



18.2343, 0.3599, 0.4261



18.2343, 0.3076, 0.4141



18.2343, 0.2592, 0.3716

Triad

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



18.2343, 0.3076, 0.4141



18.2343, 0.2281, 0.2489



18.2343, 0.4063, 0.3293

Complementary

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



18.2343, 0.3076, 0.4141



13.0974, 0.3176, 0.2565

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.



18.2343, 0.3649, 0.2900



18.2343, 0.3076, 0.4141



18.2343, 0.2611, 0.2452

Square

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



18.2343, 0.3076, 0.4141



18.2343, 0.2161, 0.2733



18.2343, 0.3106, 0.2602



18.2343, 0.4196, 0.3713

Rectangle

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



18.2343, 0.3076, 0.4141



18.2343, 0.2353, 0.3353



18.2343, 0.3106, 0.2602



18.2343, 0.3951, 0.3155

Sweetspot

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



18.2351, 0.3076, 0.4141



35.9861, 0.3113, 0.3509



20.6829, 0.3570, 0.4038



8.3653, 0.3111, 0.3541



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.



18.2351, 0.3076, 0.4141



31.0582, 0.3062, 0.4388



18.6108, 0.2880, 0.3700



4.8204, 0.3114, 0.3507



15.3153, 0.2993, 0.5975



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0974, 0.3176, 0.2565



20.4197, 0.3189, 0.2393



12.6337, 0.3475, 0.2915



4.4106, 0.3141, 0.3083



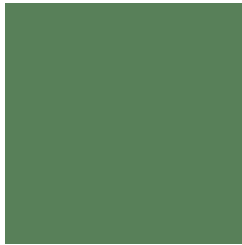
6.0125, 0.3271, 0.1576



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2343, 0.3076, 0.4141 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2343, 0.3076, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

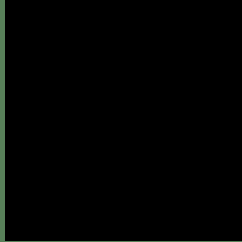
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2343, 0.3076, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 18.2343, 0.3076, 0.4141.



This preview shows how white text looks on a background with the Yxy color 18.2343, 0.3076, 0.4141.

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

18.2343, 0.3076, 0.4141

Protanopia

18.1248, 0.3652, 0.3923

Deuteranopia

17.9862, 0.3743, 0.3675



Tritanopia

18.0718, 0.2726, 0.3089

Trichromacy



Original Color

18.2343, 0.3076, 0.4141

Protanomaly

18.1017, 0.3431, 0.4019

Deuteranomaly

17.7053, 0.3481, 0.3825

Tritanomaly

18.0034, 0.2855, 0.3456

Monochromacy



Original Color

18.2343, 0.3076, 0.4141

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8399, 0.3101, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2343, 0.3076, 0.4141 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(88, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(88, 128, 89)  
}
```

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(88, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 128, 89) }
```

Border

The CSS property to change the border of an element to Yxy 18.2343, 0.3076, 0.4141 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(88, 128, 89) }
```

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

```
.border{ border-color:rgb(88, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 128,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2343, 0.3076, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 128, 89) }
```

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

```
.background{ background-color: rgb(88, 128,  
89) }
```

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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