

Converting Colors

$Y_{xy}(19.0611, 0.2910, 0.4335)$

Have a look what the booklet for
Yxy(19.0611, 0.2910, 0.4335)
contains.

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Color

Yxy(19.0404, 0.2914, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	468657
RGB	70, 134, 87
RGB Percent	27%, 53%, 34%
CMY	0.7254, 0.4745, 0.6588
CMYK	0.48, 0.00, 0.35, 0.47
HSL	136°, 31%, 40%
HSV	136°, 48%, 53%
XYZ	12.7725, 19.0404, 12.0186
YIQ	109.5060, -23.0570, -28.1850

Conversions

Conversions Part 2

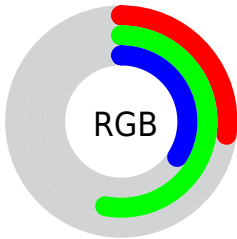
Format	Color
R_{YB}	70, 121, 134
Decimal	4621911
CIE _{Lab}	50.73, -31.54, 19.12
CIE _{LCh}	51, 36.887, 148.778
Yxy	19.0404, 0.2914, 0.4344
Android (android.graphics.Color)	4282811991 (0xFF468657)
YUV	109.5060, -11.0955, -34.6468
Hunter-Lab	43.6353, -24.1130, 14.2143

Details

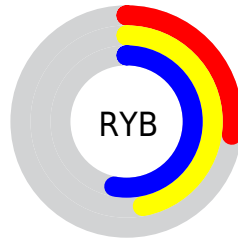
The Yxy color **19.0404, 0.2914, 0.4344** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7368, 0.3456, 0.2436**, and the grayscale version is **15.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9102, 0.2976, 0.4086**, and **6.5941, 0.2775, 0.4878** is the 20% darker color. If you saturate the color by 10%, you get **18.4469, 0.2885, 0.4613**, and if you desaturate by 10%, it is **19.7686, 0.2952, 0.4086**.

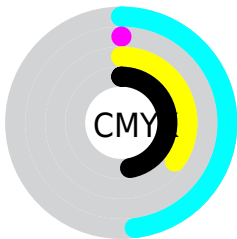
Distribution



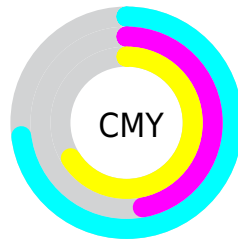
- Red (27%)
- Green (53%)
- Blue (34%)



- Red (27%)
- Yellow (47%)
- Blue (53%)



- Cyan (48%)
- Magenta (0%)
- Yellow (35%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0404, 0.2914, 0.4344 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 19.0404, 0.2914, 0.4344 by changing the saturation by 10% instead.


 19.0404, 0.2914,
0.4344

 19.0404, 0.2914,
0.4344


246.6717, 0.3053,
0.3708

 11.6995, 0.2861,
0.4556


 41.8024, 0.2976,
0.4078


 6.5394, 0.2777,
0.4870


 57.9922, 0.2995,
0.3990

 3.1757, 0.2626,
0.5381

 77.9004, 0.3010,
0.3919

 1.2242, 0.2270,
0.7730

 101.9115, 0.3022,
0.3861

 0.0813, 0.0000,
1.0000

 130.4097, 0.3032,
0.3813

 0.0000, 0.0000,
0.0000

163.7796, 0.3040,

0.3773

202.4054, 0.3047,
0.3738

■ 19.0404, 0.2914,
0.4344

■ 19.0404, 0.2914,
0.4344

■ 18.4469, 0.2885,
0.4613

■ 19.7686, 0.2952,
0.4086

■ 17.9775, 0.2867,
0.4885

■ 20.6368, 0.2995,
0.3845

■ 17.6235, 0.2863,
0.5146


■ 21.6529, 0.3042,
0.3625


■ 17.3742, 0.2873,
0.5385


■ 22.8234, 0.3090,
0.3428


■ 17.2080, 0.2894,
0.5590


■ 24.1545, 0.3138,
0.3252

 17.1747, 0.2898,
0.5632

 25.6519, 0.3185,
0.3098

 27.3213, 0.3230,
0.2962

 29.1679, 0.3273,
0.2844

 31.1967, 0.3314,
0.2741

Harmonies

Analogous

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



19.0404, 0.3585, 0.4567



19.0404, 0.2914, 0.4344



19.0404, 0.2336, 0.3709

Triad

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



19.0404, 0.2914, 0.4344



19.0404, 0.2118, 0.2247



19.0404, 0.4410, 0.3371

Complementary

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



19.0404, 0.2914, 0.4344



10.7368, 0.3456, 0.2436

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.



19.0404, 0.3926, 0.2877



19.0404, 0.2914, 0.4344



19.0404, 0.2570, 0.2259

Square

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



19.0404, 0.2914, 0.4344



19.0404, 0.1921, 0.2484



19.0404, 0.3226, 0.2484



19.0404, 0.4487, 0.3892

Rectangle

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



19.0404, 0.2914, 0.4344



19.0404, 0.2075, 0.3219



19.0404, 0.3226, 0.2484



19.0404, 0.4288, 0.3199

Sweetspot

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



19.0412, 0.2914, 0.4344



38.8276, 0.3058, 0.3555



21.3445, 0.3603, 0.4497



8.6642, 0.3049, 0.3593



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.0412, 0.2914, 0.4344



32.4545, 0.2884, 0.4627



19.6612, 0.2644, 0.3630



5.2236, 0.3083, 0.3454



16.0970, 0.2897, 0.5627



0.0568, 0.2683, 0.4859

Inverse Universe

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



10.7368, 0.3456, 0.2436



16.0149, 0.3556, 0.2270



10.1241, 0.4046, 0.2989



4.7423, 0.3174, 0.3132



5.5859, 0.3990, 0.1972



0.0206, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 19.0404, 0.2914, 0.4344 looks on a white background.

Color Contrast Check

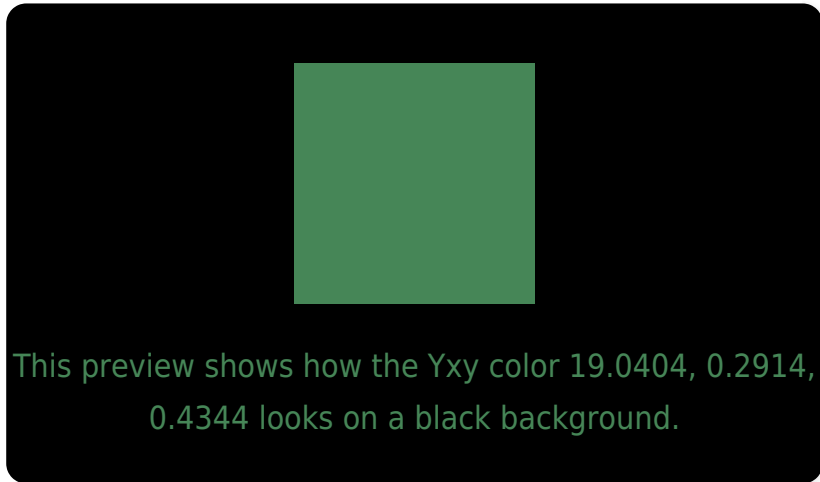
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

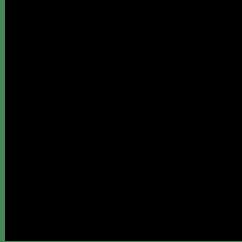
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0404, 0.2914, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 19.0404, 0.2914, 0.4344.



This preview shows how white text looks on a background with the Yxy color 19.0404, 0.2914, 0.4344.

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

19.0404, 0.2914, 0.4344

Protanopia

18.7728, 0.3730, 0.4022

Deuteranopia

18.6795, 0.3787, 0.3722



Tritanopia

19.0672, 0.2557, 0.3088

Trichromacy



Original Color

19.0404, 0.2914, 0.4344

Protanomaly

18.4799, 0.3387, 0.4151

Deuteranomaly

18.3021, 0.3411, 0.3932

Tritanomaly

18.9169, 0.2691, 0.3522

Monochromacy



Original Color

19.0404, 0.2914, 0.4344

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.5859, 0.3024, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0404, 0.2914, 0.4344 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(70, 134, 87)` looks like.

```
.text, #text, p{  
  color:rgb(70, 134, 87)  
}
```

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(70, 134, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 134, 87) }
```

Border

The CSS property to change the border of an element to Yxy 19.0404, 0.2914, 0.4344 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(70, 134, 87) }
```

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

```
.border{ border-color:rgb(70, 134, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 134, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 134, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 134, 87);  
box-shadow:4px 4px 4px 4px rgb(70, 134,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0404, 0.2914, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 134, 87) }
```

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

```
.background{ background-color: rgb(70, 134,  
87) }
```

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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