

Converting Colors

$Y_{xy}(16.8797, 0.3053, 0.4158)$

Have a look what the booklet for
Yxy(16.8797, 0.3053, 0.4158)
contains.

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Color

Yxy(16.9262, 0.3053, 0.4149)

Conversions

Conversions Part 1

Format	Color
Hex	537C56
RGB	83, 124, 86
RGB Percent	33%, 49%, 34%
CMY	0.6745, 0.5137, 0.6627
CMYK	0.33, 0.00, 0.31, 0.51
HSL	124°, 20%, 41%
HSV	124°, 33%, 49%
XYZ	12.4550, 16.9262, 11.4147
YIQ	107.4090, -12.2380, -20.5100

Conversions

Conversions Part 2

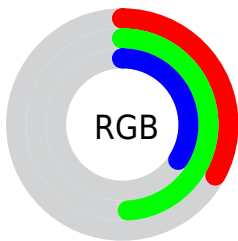
Format	Color
R_{YB}	83, 121, 124
Decimal	5471318
CIE _{Lab}	48.17, -22.62, 16.33
CIE _{LCh}	48, 27.896, 144.174
Yxy	16.9262, 0.3053, 0.4149
Android (android.graphics.Color)	4283661398 (0xFF537C56)
YUV	107.4090, -10.5546, -21.4067
Hunter-Lab	41.1415, -17.9593, 12.3490

Details

The Yxy color **16.9262, 0.3053, 0.4149** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8532, 0.3209, 0.2560**, and the grayscale version is **14.8556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2902, 0.3080, 0.3932**, and **5.5427, 0.2988, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **16.2417, 0.3031, 0.4463**, and if you desaturate by 10%, it is **17.7428, 0.3076, 0.3857**.

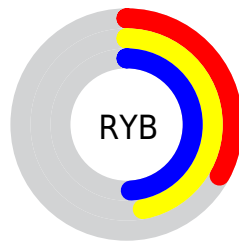
Distribution



Red (33%)

Green (49%)

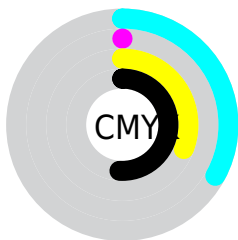
Blue (34%)



Red (33%)

Yellow (47%)

Blue (49%)

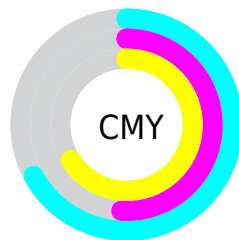


Cyan (33%)

Magenta (0%)

Yellow (31%)

Black (51%)



Cyan (67%)


Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9262, 0.3053, 0.4149 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 16.9262, 0.3053, 0.4149 by changing the saturation by 10% instead.


 16.9262, 0.3053,
0.4149


 16.9262, 0.3053,
0.4149


234.7467, 0.3107,
0.3627


 10.1819, 0.3028,
0.4325


 38.1988, 0.3079,
0.3930


 5.5197, 0.2986,
0.4591

 53.4960, 0.3087,
0.3857

 2.5553, 0.2900,
0.5031

 72.4128, 0.3093,
0.3799

 0.9043, 0.2536,
0.7464

 95.3338, 0.3097,
0.3752

 0.0000, 0.0000,
0.0000

 122.6433, 0.3100,
0.3713

154.7256, 0.3103,

0.3680

191.9653, 0.3105,
0.3652

■ 16.9262, 0.3053,
0.4149

■ 16.9262, 0.3053,
0.4149

■ 16.2417, 0.3031,
0.4463

■ 17.7428, 0.3076,
0.3857

■ 15.6805, 0.3011,
0.4787

■ 18.6956, 0.3099,
0.3592

■ 15.2357, 0.2995,
0.5107


■ 19.7914, 0.3121,
0.3356


■ 14.8992, 0.2984,
0.5402

■ 21.0357, 0.3141,
0.3149


■ 14.6616, 0.2980,
0.5650

■ 22.4336, 0.3160,
0.2969

 14.5119, 0.2982,
0.5835

 23.9903, 0.3178,
0.2813

 14.4356, 0.2980,
0.5927

 25.7104, 0.3194,
0.2678

 27.5986, 0.3208,
0.2561

 29.6593, 0.3222,
0.2460

Harmonies

Analogous

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



16.9262, 0.3587, 0.4284



16.9262, 0.3053, 0.4149



16.9262, 0.2564, 0.3704

Triad

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



16.9262, 0.3053, 0.4149



16.9262, 0.2274, 0.2468



16.9262, 0.4095, 0.3308

Complementary

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



16.9262, 0.3053, 0.4149



11.8532, 0.3209, 0.2560

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.



16.9262, 0.3680, 0.2906



16.9262, 0.3053, 0.4149



16.9262, 0.2618, 0.2439

Square

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



16.9262, 0.3053, 0.4149



16.9262, 0.2143, 0.2707



16.9262, 0.3126, 0.2598



16.9262, 0.4217, 0.3735

Rectangle

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



16.9262, 0.3053, 0.4149



16.9262, 0.2326, 0.3332



16.9262, 0.3126, 0.2598



16.9262, 0.3983, 0.3168

Sweetspot

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



16.9269, 0.3053, 0.4149



33.4175, 0.3105, 0.3523



19.1248, 0.3566, 0.4085



7.8195, 0.3102, 0.3551



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.9269, 0.3053, 0.4149



28.8168, 0.3035, 0.4395



17.3006, 0.2847, 0.3679



4.4543, 0.3108, 0.3494



14.6746, 0.2980, 0.5927



69.9489, 0.2990, 0.5965

Inverse Universe

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



11.8532, 0.3209, 0.2560



18.3766, 0.3231, 0.2390



11.4077, 0.3535, 0.2934



4.0727, 0.3147, 0.3094



5.6130, 0.3395, 0.1644



26.7204, 0.3405, 0.1650

Previews

White Background



This preview shows how the Yxy color 16.9262, 0.3053, 0.4149 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 16.9262, 0.3053, 0.4149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

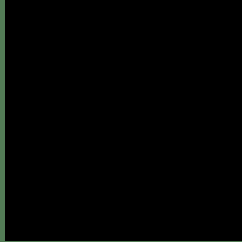
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9262, 0.3053, 0.4149

Background



This preview shows how black text looks on a background with the Yxy color 16.9262, 0.3053, 0.4149.



This preview shows how white text looks on a background with the Yxy color 16.9262, 0.3053, 0.4149.

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

16.9262, 0.3053, 0.4149

Protanopia

16.8548, 0.3656, 0.3922

Deuteranopia

16.6451, 0.3736, 0.3669



Tritanopia

16.9763, 0.2707, 0.3103

Trichromacy



Original Color

16.9262, 0.3053, 0.4149

Protanomaly

16.7695, 0.3414, 0.4025

Deuteranomaly

16.3840, 0.3466, 0.3824

Tritanomaly

16.9417, 0.2828, 0.3461

Monochromacy



Original Color

16.9262, 0.3053, 0.4149

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3078, 0.3100, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9262, 0.3053, 0.4149 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(83, 124, 86)` looks like.

```
.text, #text, p{  
    color:rgb(83, 124, 86)  
}
```

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(83, 124, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 124, 86) }
```

Border

The CSS property to change the border of an element to Yxy 16.9262, 0.3053, 0.4149 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(83, 124, 86) }
```

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

```
.border{ border-color:rgb(83, 124, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 124, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 124, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 124, 86);  
box-shadow:4px 4px 4px 4px rgb(83, 124,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9262, 0.3053, 0.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 124, 86) }
```

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

```
.background{ background-color: rgb(83, 124,  
86) }
```

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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