

Converting Colors

$Y_{xy}(18.1205, 0.3105, 0.4234)$

Have a look what the booklet for
Yxy(18.1205, 0.3105, 0.4234)
contains.

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Color

Yxy(18.1205, 0.3105, 0.4234)

Conversions

Conversions Part 1

Format	Color
Hex	578055
RGB	87, 128, 85
RGB Percent	34%, 50%, 33%
CMY	0.6588, 0.4980, 0.6667
CMYK	0.32, 0.00, 0.34, 0.50
HSL	117°, 20%, 42%
HSV	117°, 34%, 50%
XYZ	13.2887, 18.1205, 11.3884
YIQ	110.8390, -10.6330, -22.0650

Conversions

Conversions Part 2

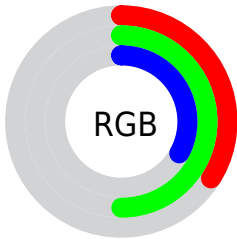
Format	Color
R_{YB}	85, 128, 126
Decimal	5734485
CIE _{Lab}	49.64, -23.43, 18.94
CIE _{LCh}	50, 30.131, 141.045
Yxy	18.1205, 0.3105, 0.4234
Android (android.graphics.Color)	4283924565 (0xFF578055)
YUV	110.8390, -12.7386, -20.9068
Hunter-Lab	42.5682, -18.7714, 13.9356

Details

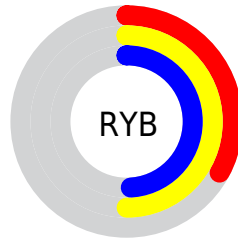
The Yxy color **18.1205, 0.3105, 0.4234** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.4886, 0.3134, 0.2486**, and the grayscale version is **15.8870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2003, 0.3119, 0.3996**, and **6.0266, 0.3061, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **17.3974, 0.3094, 0.4569**, and if you desaturate by 10%, it is **18.9812, 0.3114, 0.3919**.

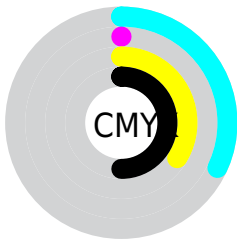
Distribution



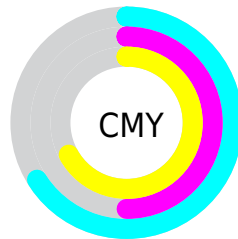
- Red (34%)
- Green (50%)
- Blue (33%)



- Red (33%)
- Yellow (50%)
- Blue (49%)



- Cyan (32%)
- Magenta (0%)
- Yellow (34%)
- Black (50%)





- Cyan (66%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1205, 0.3105, 0.4234 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 18.1205, 0.3105, 0.4234 by changing the saturation by 10% instead.


 18.1205, 0.3105,
0.4234


 18.1205, 0.3105,
0.4234

241.5494, 0.3131,
0.3665


 11.0365, 0.3088,
0.4423


 40.2425, 0.3120,
0.3997


 6.0914, 0.3056,
0.4703

 56.0494, 0.3124,
0.3918

 2.9007, 0.2984,
0.5158

 75.5327, 0.3127,
0.3855

 1.0801, 0.2906,
0.7094

 99.0768, 0.3128,
0.3803

 0.0000, 0.0000,
0.0000

 127.0662, 0.3129,
0.3760

159.8851, 0.3130,

0.3723

197.9180, 0.3131,
0.3692

■ 18.1205, 0.3105,
0.4234

■ 18.1205, 0.3105,
0.4234

■ 17.3974, 0.3094,
0.4569

■ 18.9812, 0.3114,
0.3919

■ 16.8027, 0.3081,
0.4910

■ 19.9837, 0.3121,
0.3632

■ 16.3295, 0.3066,
0.5237


■ 21.1349, 0.3126,
0.3375


■ 15.9694, 0.3049,
0.5526

■ 22.4404, 0.3129,
0.3149


■ 15.7130, 0.3033,
0.5756


■ 23.9057, 0.3132,
0.2952


 15.5491, 0.3019,
0.5910

 25.5359, 0.3133,
0.2782

 15.4781, 0.3015,
0.5988

 27.3359, 0.3134,
0.2634

 29.3105, 0.3134,
0.2507

 31.4641, 0.3134,
0.2397

Harmonies

Analogous

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



18.1205, 0.3664, 0.4333



18.1205, 0.3105, 0.4234



18.1205, 0.2579, 0.3788

Triad

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



18.1205, 0.3105, 0.4234



18.1205, 0.2206, 0.2440



18.1205, 0.4116, 0.3259

Complementary

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



18.1205, 0.3105, 0.4234



12.4886, 0.3134, 0.2486

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.



18.1205, 0.3652, 0.2847



18.1205, 0.3105, 0.4234



18.1205, 0.2543, 0.2391

Square

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



18.1205, 0.3105, 0.4234



18.1205, 0.2094, 0.2712



18.1205, 0.3064, 0.2539



18.1205, 0.4280, 0.3707

Rectangle

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



18.1205, 0.3105, 0.4234



18.1205, 0.2316, 0.3394



18.1205, 0.3064, 0.2539



18.1205, 0.3988, 0.3114

Sweetspot

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



18.1213, 0.3105, 0.4234



35.8364, 0.3123, 0.3541



20.1295, 0.3623, 0.4055



8.3358, 0.3122, 0.3573



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.



18.1213, 0.3105, 0.4234



30.9481, 0.3097, 0.4478



18.3767, 0.2891, 0.3800



4.8276, 0.3123, 0.3512



15.3467, 0.3015, 0.5988



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4886, 0.3134, 0.2486



19.5029, 0.3134, 0.2315



12.1809, 0.3463, 0.2832



4.4025, 0.3130, 0.3077



5.6495, 0.3096, 0.1479



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.1205, 0.3105, 0.4234 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 18.1205, 0.3105, 0.4234 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 18.1205, 0.3105, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 18.1205, 0.3105, 0.4234.



This preview shows how white text looks on a background with the Yxy color 18.1205, 0.3105, 0.4234.

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

18.1205, 0.3105, 0.4234

Protanopia

18.0630, 0.3701, 0.3999

Deuteranopia

18.0038, 0.3811, 0.3746



Tritanopia

18.0718, 0.2726, 0.3089

Trichromacy



Original Color

18.1205, 0.3105, 0.4234

Protanomaly

17.9730, 0.3463, 0.4104

Deuteranomaly

17.6381, 0.3530, 0.3905

Tritanomaly

17.9803, 0.2866, 0.3477

Monochromacy



Original Color

18.1205, 0.3105, 0.4234

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5067, 0.3112, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1205, 0.3105, 0.4234 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(87, 128, 85)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 85)  
}
```

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(87, 128, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.1205, 0.3105, 0.4234 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(87, 128, 85) }
```

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

```
.border{ border-color:rgb(87, 128, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 128, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 85);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1205, 0.3105, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 85) }
```

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

```
.background{ background-color: rgb(87, 128,  
85) }
```

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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