

Converting Colors

$Y_{xy}(18.3625, 0.3130, 0.3086)$

Have a look what the booklet for
Yxy(18.3625, 0.3130, 0.3086)
contains.

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Color

Yxy(18.4587, 0.3124, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	7E747F
RGB	126, 116, 127
RGB Percent	49%, 45%, 50%
CMY	0.5059, 0.5451, 0.5020
CMYK	0.01, 0.09, 0.00, 0.50
HSL	295°, 5%, 48%
HSV	295°, 9%, 50%
XYZ	18.6799, 18.4587, 22.6563
YIQ	120.2440, 2.4290, 5.5410

Conversions

Conversions Part 2

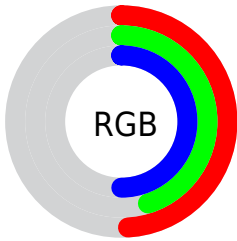
Format	Color
R_{YB}	126, 116, 127
Decimal	8287359
CIE _{Lab}	50.05, 6.01, -4.64
CIE _{LCh}	50, 7.595, 322.352
Yxy	18.4587, 0.3124, 0.3087
Android (android.graphics.Color)	4286477439 (0xFF7E747F)
YUV	120.2440, 3.3307, 5.0480
Hunter-Lab	42.9636, 2.4229, -1.1913

Details

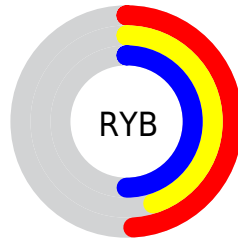
The Yxy color **18.4587, 0.3124, 0.3087** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2217, 0.3129, 0.3500**, and the grayscale version is **18.8534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8843, 0.3126, 0.3130**, and **6.2621, 0.3121, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **15.6415, 0.3118, 0.2845**, and if you desaturate by 10%, it is **21.6788, 0.3128, 0.3321**.

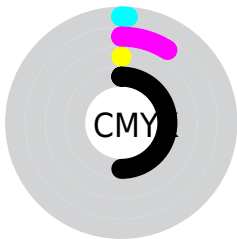
Distribution



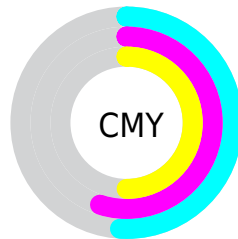
- Red (49%)
- Green (45%)
- Blue (50%)



- Red (49%)
- Yellow (45%)
- Blue (50%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)





- Cyan (51%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4587, 0.3124, 0.3087 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 18.4587, 0.3124, 0.3087 by changing the saturation by 10% instead.


 18.4587, 0.3124,
0.3087


 18.4587, 0.3124,
0.3087


243.4440, 0.3126,
0.3203


 11.2798, 0.3123,
0.3052


 40.8174, 0.3125,
0.3133


 6.2554, 0.3121,
0.3002


 56.7660, 0.3126,
0.3149

 3.0010, 0.3118,
0.2927

 76.4066, 0.3126,
0.3162

 1.1322, 0.3110,
0.2798

 100.1237, 0.3126,
0.3173

 0.0053, 0.3116,
0.0109

128.3015, 0.3126,
0.3182

 0.0000, 0.0000,
0.0000

161.3246, 0.3126,

0.3190

199.5773, 0.3126,
0.3197

■ 18.4587, 0.3124,
0.3087

■ 18.4587, 0.3124,
0.3087

■ 15.6415, 0.3118,
0.2845

■ 21.6788, 0.3128,
0.3321

■ 13.2088, 0.3111,
0.2600

■ 25.3146, 0.3129,
0.3542

■ 11.1440, 0.3100,
0.2358

■ 29.3814, 0.3130,
0.3749

■ 9.4286, 0.3088,
0.2129

■ 33.8929, 0.3129,
0.3941

■ 8.0424, 0.3072,
0.1922

■ 38.8622, 0.3128,
0.4116

■ 6.9632, 0.3054,
0.1743

■ 44.3019, 0.3126,
0.4276

■ 6.1661, 0.3035,
0.1601

■ 50.2242, 0.3123,
0.4421

■ 5.6222, 0.3013,
0.1500

■ 56.6406, 0.3121,
0.4552

■ 5.2548, 0.2991,
0.1429

■ 63.5624, 0.3117,
0.4670

Harmonies

Analogous

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



18.4587, 0.2984, 0.3046



18.4587, 0.3124, 0.3087



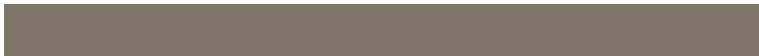
18.4587, 0.3267, 0.3179

Triad

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



18.4587, 0.3124, 0.3087



18.4587, 0.3374, 0.3512



18.4587, 0.2886, 0.3273

Complementary

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



18.4587, 0.3124, 0.3087



20.2217, 0.3129, 0.3500

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.



18.4587, 0.2986, 0.3405



18.4587, 0.3124, 0.3087



18.4587, 0.3267, 0.3544

Square

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



18.4587, 0.3124, 0.3087



18.4587, 0.3413, 0.3421



18.4587, 0.3125, 0.3506



18.4587, 0.2849, 0.3149

Rectangle

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



18.4587, 0.3124, 0.3087



18.4587, 0.3345, 0.3258



18.4587, 0.3125, 0.3506



18.4587, 0.2913, 0.3318

Sweetspot

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



18.4595, 0.3124, 0.3087



36.1873, 0.3126, 0.3219



17.9923, 0.3000, 0.3100



8.3729, 0.3126, 0.3202



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.



18.4595, 0.3124, 0.3087



32.2126, 0.3123, 0.3049



18.4237, 0.3189, 0.3168



4.3932, 0.3124, 0.3076



5.2514, 0.2988, 0.1420



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2881, 0.3258, 0.3272



31.8544, 0.3284, 0.3268



20.2575, 0.3070, 0.3415



4.3501, 0.3265, 0.3271



4.5761, 0.6254, 0.3219



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4587, 0.3124, 0.3087 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 18.4587, 0.3124, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

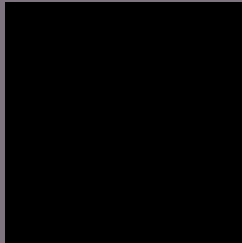
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4587, 0.3124, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 18.4587, 0.3124, 0.3087.



This preview shows how white text looks on a background with the Yxy color 18.4587, 0.3124, 0.3087.

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

18.4587, 0.3124, 0.3087

Protanopia

18.3669, 0.3013, 0.3100

Deuteranopia

18.5351, 0.3137, 0.3088



Tritanopia

18.4071, 0.3148, 0.3123

Trichromacy



Original Color

18.4587, 0.3124, 0.3087

Protanomaly

18.3460, 0.3049, 0.3084

Deuteranomaly

18.5351, 0.3137, 0.3088

Tritanomaly

18.4328, 0.3136, 0.3105

Monochromacy



Original Color

18.4587, 0.3124, 0.3087

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7613, 0.3118, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4587, 0.3124, 0.3087 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(126, 116, 127)` looks like.

```
.text, #text, p{  
    color:rgb(126, 116, 127)  
}
```

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(126, 116, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 116, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.4587, 0.3124, 0.3087 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(126, 116, 127) }
```

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

```
.border{ border-color:rgb(126, 116, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 116, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 116, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 116, 127);  
box-shadow:4px 4px 4px 4px rgb(126, 116,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4587, 0.3124, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 116, 127) }
```

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

```
.background{ background-color: rgb(126,  
116, 127) }
```

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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