

Converting Colors

$Yxy(18.4187, 0.3648, 0.3666)$

Have a look what the booklet for
Yxy(18.4187, 0.3648, 0.3666)
contains.

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Color

Yxy(18.4679, 0.3646, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	87745F
RGB	135, 116, 95
RGB Percent	53%, 45%, 37%
CMY	0.4706, 0.5451, 0.6274
CMYK	0.00, 0.14, 0.30, 0.47
HSL	32°, 17%, 45%
HSV	32°, 30%, 53%
XYZ	18.3022, 18.4679, 13.4280
YIQ	119.2870, 18.0650, -2.5030

Conversions

Conversions Part 2

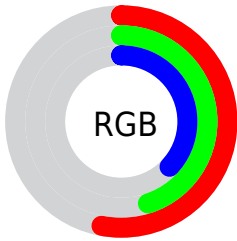
Format	Color
R_{YB}	131, 135, 95
Decimal	8877151
CIE _{Lab}	50.06, 3.99, 14.34
CIE _{LCh}	50, 14.889, 74.440
Yxy	18.4679, 0.3646, 0.3679
Android (android.graphics.Color)	4287067231 (0xFF87745F)
YUV	119.2870, -11.9735, 13.7803
Hunter-Lab	42.9743, 0.8160, 11.5559

Details

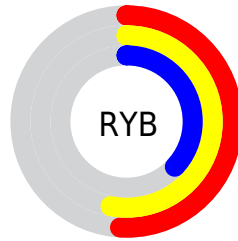
The Yxy color **18.4679, 0.3646, 0.3679** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2165, 0.2671, 0.2866**, and the grayscale version is **18.5783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8994, 0.3523, 0.3586**, and **6.2873, 0.3874, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **16.8166, 0.3863, 0.3815**, and if you desaturate by 10%, it is **20.2654, 0.3450, 0.3543**.

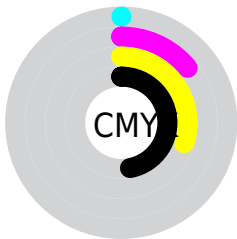
Distribution



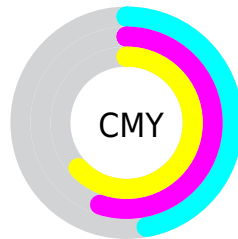
- Red (53%)
- Green (45%)
- Blue (37%)



- Red (51%)
- Yellow (53%)
- Blue (37%)



- Cyan (0%)
- Magenta (14%)
- Yellow (30%)
- Black (47%)





- Cyan (47%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4679, 0.3646, 0.3679 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 18.4679, 0.3646, 0.3679 by changing the saturation by 10% instead.


 18.4679, 0.3646,
0.3679


 18.4679, 0.3646,
0.3679

243.4953, 0.3346,
0.3459


 11.2864, 0.3738,
0.3744


 40.8330, 0.3525,
0.3592


 6.2598, 0.3869,
0.3834


 56.7855, 0.3484,
0.3561

 3.0037, 0.4068,
0.3966

 76.4303, 0.3450,
0.3536

 1.1337, 0.4711,
0.4463

 100.1521, 0.3422,
0.3516

 0.0065, 0.9410,
0.0590

128.3350, 0.3399,
0.3498

 0.0000, 0.0000,
0.0000

161.3636, 0.3379,

0.3483

199.6223, 0.3361,
0.3470

■ 18.4679, 0.3646,
0.3679

■ 18.4679, 0.3646,
0.3679

■ 16.8166, 0.3863,
0.3815

■ 20.2654, 0.3450,
0.3543

■ 15.3049, 0.4099,
0.3945

■ 22.2107, 0.3276,
0.3411

■ 13.9290, 0.4350,
0.4060

■ 24.3084, 0.3122,
0.3285

■ 12.6840, 0.4606,
0.4150

■ 26.5622, 0.2986,
0.3168

■ 11.5649, 0.4855,
0.4202

■ 28.9756, 0.2867,
0.3059

■ 10.5658, 0.5082,
0.4208

■ 31.5521, 0.2763,
0.2959

■ 9.6744, 0.5290,
0.4176

■ 34.2948, 0.2671,
0.2867

■ 9.6424, 0.5298,
0.4175

■ 37.2071, 0.2591,
0.2783

■ 40.2920, 0.2520,
0.2705

Harmonies

Analogous

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



18.4679, 0.3687, 0.3475



18.4679, 0.3646, 0.3679



18.4679, 0.3462, 0.3789

Triad

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



18.4679, 0.3646, 0.3679



18.4679, 0.2700, 0.3320



18.4679, 0.3041, 0.2872

Complementary

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



18.4679, 0.3646, 0.3679



16.2165, 0.2671, 0.2866

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.



18.4679, 0.2787, 0.2821



18.4679, 0.3646, 0.3679



18.4679, 0.2598, 0.3064

Square

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



18.4679, 0.3646, 0.3679



18.4679, 0.2915, 0.3581



18.4679, 0.2629, 0.2886



18.4679, 0.3329, 0.3022

Rectangle

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



18.4679, 0.3646, 0.3679



18.4679, 0.3288, 0.3785



18.4679, 0.2629, 0.2886



18.4679, 0.2949, 0.2843

Sweetspot

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



18.4687, 0.3646, 0.3679



39.9305, 0.3269, 0.3405



14.5588, 0.3454, 0.2934



9.1393, 0.3290, 0.3422



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.4687, 0.3646, 0.3679



30.9251, 0.3800, 0.3777



23.2483, 0.3548, 0.4002



5.0633, 0.3267, 0.3404



8.9191, 0.5294, 0.4179



0.0455, 0.4725, 0.4630

Inverse Universe

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



16.2165, 0.2671, 0.2866



26.1691, 0.2556, 0.2744



12.4040, 0.2637, 0.2467



4.8823, 0.2992, 0.3173



5.0324, 0.1763, 0.1545



0.0319, 0.1980, 0.2328

Previews

White Background



This preview shows how the Yxy color 18.4679, 0.3646, 0.3679 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 18.4679, 0.3646, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

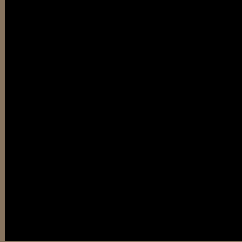
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4679, 0.3646, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 18.4679, 0.3646, 0.3679.



This preview shows how white text looks on a background with the Yxy color 18.4679, 0.3646, 0.3679.

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

18.4679, 0.3646, 0.3679

Protanopia

18.4738, 0.3497, 0.3732

Deuteranopia

18.3498, 0.3712, 0.3636



Tritanopia

18.3721, 0.3361, 0.3130

Trichromacy



Original Color

18.4679, 0.3646, 0.3679

Protanomaly

18.4685, 0.3542, 0.3708

Deuteranomaly

18.4910, 0.3693, 0.3656

Tritanomaly

18.2985, 0.3462, 0.3309

Monochromacy



Original Color

18.4679, 0.3646, 0.3679

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4426, 0.3314, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4679, 0.3646, 0.3679 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(135, 116, 95)` looks like.

```
.text, #text, p{  
    color:rgb(135, 116, 95)  
}
```

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(135, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 116, 95) }
```

Border

The CSS property to change the border of an element to Yxy 18.4679, 0.3646, 0.3679 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(135, 116, 95) }
```

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

```
.border{ border-color:rgb(135, 116, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 116, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(135, 116,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4679, 0.3646, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 116, 95) }
```

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

```
.background{ background-color: rgb(135,  
116, 95) }
```

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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