

Converting Colors

$Y_{xy}(18.0722, 0.3447, 0.3418)$

Have a look what the booklet for
Yxy(18.0722, 0.3447, 0.3418)
contains.

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Color

Yxy(18.0229, 0.3444, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	84726C
RGB	132, 114, 108
RGB Percent	52%, 45%, 42%
CMY	0.4823, 0.5529, 0.5766
CMYK	0.00, 0.14, 0.18, 0.48
HSL	15°, 10%, 47%
HSV	15°, 18%, 52%
XYZ	18.2400, 18.0229, 16.6989
YIQ	118.6980, 12.6540, 1.9500

Conversions

Conversions Part 2

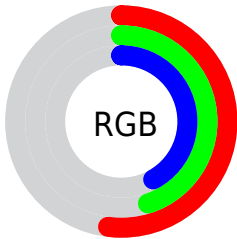
Format	Color
R_{YB}	132, 116, 108
Decimal	8680044
CIE Lab	49.52, 5.97, 5.92
CIE LCh	50, 8.407, 44.737
Yxy	18.0229, 0.3444, 0.3403
Android (android.graphics.Color)	4286870124 (0xFF84726C)
YUV	118.6980, -5.2741, 11.6659
Hunter-Lab	42.4534, 2.3989, 6.3959

Details

The Yxy color **18.0229, 0.3444, 0.3403** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7717, 0.2859, 0.3174**, and the grayscale version is **18.3617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0899, 0.3369, 0.3385**, and **6.0272, 0.3574, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **15.6512, 0.3665, 0.3470**, and if you desaturate by 10%, it is **20.6802, 0.3258, 0.3339**.

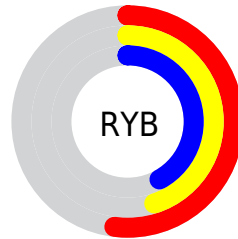
Distribution



Red (52%)

Green (45%)

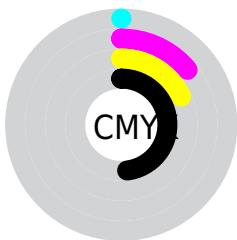
Blue (42%)



Red (52%)

Yellow (45%)

Blue (42%)

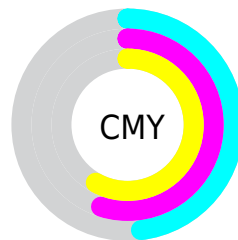


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (48%)



Cyan (48%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0229, 0.3444, 0.3403 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 18.0229, 0.3444, 0.3403 by changing the saturation by 10% instead.


 18.0229, 0.3444,
0.3403


 18.0229, 0.3444,
0.3403


241.0001, 0.3260,
0.3340


 10.9664, 0.3502,
0.3422


 40.0763, 0.3369,
0.3378


 6.0443, 0.3585,
0.3448

 55.8421, 0.3344,
0.3369

 2.8720, 0.3716,
0.3486

 75.2798, 0.3323,
0.3362

 1.0653, 0.3973,
0.3567

 98.7737, 0.3306,
0.3356

 0.0000, 1.0000,
0.0000

126.7083, 0.3292,
0.3351

 0.0000, 0.0000,
0.0000

159.4680, 0.3279,

0.3347

197.4371, 0.3269,
0.3343

■ 18.0229, 0.3444,
0.3403

■ 18.0229, 0.3444,
0.3403

■ 15.6512, 0.3665,
0.3470

■ 20.6802, 0.3258,
0.3339

■ 13.5531, 0.3926,
0.3537

■ 23.6297, 0.3101,
0.3280

■ 11.7194, 0.4229,
0.3600

■ 26.8810, 0.2969,
0.3225

■ 10.1392, 0.4572,
0.3653

■ 30.4423, 0.2859,
0.3174

■ 8.8012, 0.4944,
0.3688

■ 34.3217, 0.2765,
0.3128

■ 7.6928, 0.5323,
0.3694

■ 38.5268, 0.2685,
0.3086

■ 6.8005, 0.5675,
0.3662

■ 43.0651, 0.2617,
0.3048

■ 6.1054, 0.5976,
0.3603

■ 47.9437, 0.2558,
0.3013

■ 5.9987, 0.6030,
0.3594

■ 53.1696, 0.2508,
0.2982

Harmonies

Analogous

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



18.0229, 0.3379, 0.3265



18.0229, 0.3444, 0.3403



18.0229, 0.3422, 0.3516

Triad

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



18.0229, 0.3444, 0.3403



18.0229, 0.3006, 0.3452



18.0229, 0.2934, 0.3018

Complementary

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



18.0229, 0.3444, 0.3403



19.7717, 0.2859, 0.3174

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.



18.0229, 0.2840, 0.3059



18.0229, 0.3444, 0.3403



18.0229, 0.2881, 0.3308

Square

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



18.0229, 0.3444, 0.3403



18.0229, 0.3166, 0.3550



18.0229, 0.2821, 0.3164



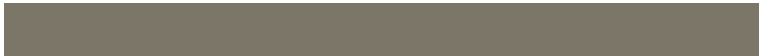
18.0229, 0.3082, 0.3047

Rectangle

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



18.0229, 0.3444, 0.3403



18.0229, 0.3360, 0.3562



18.0229, 0.2821, 0.3164



18.0229, 0.2895, 0.3024

Sweetspot

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



18.0237, 0.3444, 0.3403



37.9724, 0.3206, 0.3320



17.1336, 0.3223, 0.2962



8.7696, 0.3216, 0.3324



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.



18.0237, 0.3444, 0.3403



29.8916, 0.3534, 0.3431



20.9110, 0.3407, 0.3619



4.8645, 0.3274, 0.3345



5.8150, 0.6027, 0.3596



0.0303, 0.5323, 0.4155

Inverse Universe

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



19.7717, 0.2859, 0.3174



33.5829, 0.2797, 0.3144



16.8849, 0.2847, 0.2938



5.0865, 0.2992, 0.3234



10.2473, 0.2023, 0.2483



0.0471, 0.2139, 0.2901

Previews

White Background



This preview shows how the Yxy color 18.0229, 0.3444, 0.3403 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 18.0229, 0.3444, 0.3403 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 18.0229, 0.3444, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 18.0229, 0.3444, 0.3403.



This preview shows how white text looks on a background with the Yxy color 18.0229, 0.3444, 0.3403.

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

18.0229, 0.3444, 0.3403

Protanopia

17.9859, 0.3276, 0.3426

Deuteranopia

18.1039, 0.3457, 0.3402



Tritanopia

18.0371, 0.3307, 0.3127

Trichromacy



Original Color

18.0229, 0.3444, 0.3403

Protanomaly

18.0305, 0.3344, 0.3424

Deuteranomaly

18.1039, 0.3457, 0.3402

Tritanomaly

18.0578, 0.3356, 0.3236

Monochromacy



Original Color

18.0229, 0.3444, 0.3403

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2455, 0.3241, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0229, 0.3444, 0.3403 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(132, 114, 108)` looks like.

```
.text, #text, p{  
    color:rgb(132, 114, 108)  
}
```

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(132, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 114, 108) }
```

Border

The CSS property to change the border of an element to Yxy 18.0229, 0.3444, 0.3403 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(132, 114, 108) }
```

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

```
.border{ border-color:rgb(132, 114, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 114, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(132, 114,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0229, 0.3444, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 114, 108) }
```

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

```
.background{ background-color: rgb(132,  
114, 108) }
```

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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