

Converting Colors

$Y_{xy}(18.0889, 0.3684, 0.3344)$

Have a look what the booklet for
Yxy(18.0889, 0.3684, 0.3344)
contains.

Yxy(18.0889, 0.3684, 0.3344)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0889, 0.3684, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	926D6A
RGB	146, 109, 106
RGB Percent	57%, 43%, 42%
CMY	0.4273, 0.5726, 0.5843
CMYK	0.00, 0.25, 0.27, 0.43
HSL	4°, 16%, 49%
HSV	4°, 27%, 57%
XYZ	19.9281, 18.0889, 16.0766
YIQ	119.7210, 23.0150, 6.9110

Conversions

Conversions Part 2

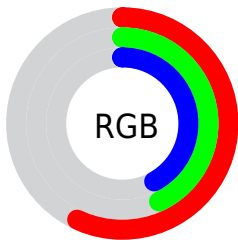
Format	Color
R_{YB}	146, 109, 106
Decimal	9596266
CIE _{Lab}	49.60, 14.26, 7.40
CIE _{LCh}	50, 16.070, 27.427
Yxy	18.0889, 0.3684, 0.3344
Android (android.graphics.Color)	4287786346 (0xFF926D6A)
YUV	119.7210, -6.7645, 23.0467
Hunter-Lab	42.5310, 9.2075, 7.3603

Details

The Yxy color **18.0889, 0.3684, 0.3344** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.7969, 0.2735, 0.3235**, and the grayscale version is **18.7061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3416, 0.3556, 0.3343**, and **6.0329, 0.3922, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **15.1470, 0.3977, 0.3365**, and if you desaturate by 10%, it is **21.5274, 0.3444, 0.3323**.

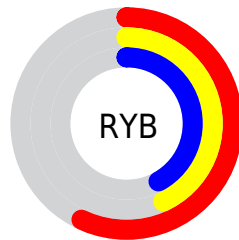
Distribution



Red (57%)

Green (43%)

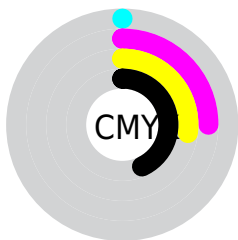
Blue (42%)



Red (57%)

Yellow (43%)

Blue (42%)

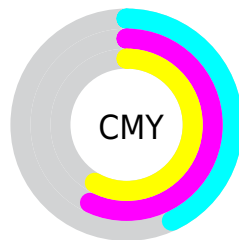


Cyan (0%)

Magenta (25%)

Yellow (27%)

Black (43%)



Cyan (43%)


Magenta (57%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0889, 0.3684, 0.3344 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 18.0889, 0.3684, 0.3344 by changing the saturation by 10% instead.


 18.0889, 0.3684,
0.3344


 18.0889, 0.3684,
0.3344


241.3717, 0.3359,
0.3318


 11.0138, 0.3786,
0.3349


 40.1888, 0.3552,
0.3335


 6.0761, 0.3933,
0.3353


 55.9823, 0.3507,
0.3332

 2.8914, 0.4162,
0.3354

 75.4508, 0.3471,
0.3329

 1.0753, 0.4618,
0.3374

 98.9787, 0.3441,
0.3326

 0.0000, 1.0000,
0.0000

126.9504, 0.3416,
0.3324

 0.0000, 0.0000,
0.0000

159.7501, 0.3394,

0.3322

197.7624, 0.3376,
0.3320

■ 18.0889, 0.3684,
0.3344

■ 18.0889, 0.3684,
0.3344

■ 15.1470, 0.3977,
0.3365

■ 21.5274, 0.3444,
0.3323

■ 12.6764, 0.4327,
0.3384

■ 25.4813, 0.3248,
0.3304

■ 10.6532, 0.4731,
0.3399

■ 29.9714, 0.3089,
0.3285

■ 9.0508, 0.5174,
0.3406

■ 35.0169, 0.2959,
0.3269

■ 7.8394, 0.5615,
0.3401

■ 40.6358, 0.2853,
0.3254

■ 6.9854, 0.5996,
0.3382

■ 46.8452, 0.2765,
0.3240

■ 6.4472, 0.6270,
0.3357

■ 53.6619, 0.2693,
0.3228

■ 6.3511, 0.6330,
0.3356

■ 61.1015, 0.2632,
0.3217

■ 69.1795, 0.2581,
0.3207

Harmonies

Analogous

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



18.0889, 0.3471, 0.3095



18.0889, 0.3684, 0.3344



18.0889, 0.3738, 0.3593

Triad

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



18.0889, 0.3684, 0.3344



18.0889, 0.3063, 0.3734



18.0889, 0.2646, 0.2805

Complementary

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



18.0889, 0.3684, 0.3344



24.7969, 0.2735, 0.3235

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.



18.0889, 0.2551, 0.2946



18.0889, 0.3684, 0.3344



18.0889, 0.2783, 0.3490

Square

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



18.0889, 0.3684, 0.3344



18.0889, 0.3370, 0.3840



18.0889, 0.2599, 0.3194



18.0889, 0.2867, 0.2792

Rectangle

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



18.0889, 0.3684, 0.3344



18.0889, 0.3677, 0.3729



18.0889, 0.2599, 0.3194



18.0889, 0.2599, 0.2838

Sweetspot

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



18.0897, 0.3684, 0.3344



44.3768, 0.3261, 0.3305



18.4159, 0.3191, 0.2671



9.6478, 0.3287, 0.3308



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.0897, 0.3684, 0.3344



28.5527, 0.3860, 0.3357



22.7716, 0.3598, 0.3679



5.8809, 0.3280, 0.3307



5.6011, 0.6325, 0.3360



0.0824, 0.5988, 0.3628

Inverse Universe

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



24.7969, 0.2735, 0.3235



42.4298, 0.2655, 0.3221



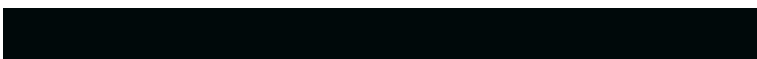
19.3924, 0.2700, 0.2867



6.4888, 0.2990, 0.3273



17.1112, 0.2184, 0.3061



0.2272, 0.2217, 0.3183

Previews

White Background



This preview shows how the Yxy color 18.0889, 0.3684, 0.3344 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 18.0889, 0.3684, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

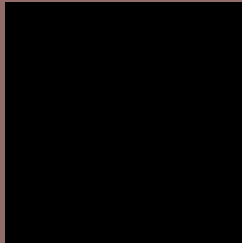
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0889, 0.3684, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 18.0889, 0.3684, 0.3344.



This preview shows how white text looks on a background with the Yxy color 18.0889, 0.3684, 0.3344.

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

18.0889, 0.3684, 0.3344

Protanopia

18.2421, 0.3262, 0.3425

Deuteranopia

18.1229, 0.3510, 0.3458



Tritanopia

18.1891, 0.3562, 0.3153

Trichromacy



Original Color

18.0889, 0.3684, 0.3344

Protanomaly

18.1909, 0.3414, 0.3403

Deuteranomaly

18.0115, 0.3573, 0.3419

Tritanomaly

18.0980, 0.3618, 0.3222

Monochromacy



Original Color

18.0889, 0.3684, 0.3344

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3957, 0.3309, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0889, 0.3684, 0.3344 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(146, 109, 106)` looks like.

```
.text, #text, p{  
    color:rgb(146, 109, 106)  
}
```

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(146, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 109, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.0889, 0.3684, 0.3344 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(146, 109, 106) }
```

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

```
.border{ border-color:rgb(146, 109, 106) }
```

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

Here you see how a box with a 4 pixel rgb(146, 109, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 109, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 109, 106);  
box-shadow:4px 4px 4px 4px rgb(146, 109,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0889, 0.3684, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 109, 106) }
```

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

```
.background{ background-color: rgb(146,  
109, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor