

Converting Colors

$Y_{xy}(18.0746, 0.3371, 0.4049)$

Have a look what the booklet for
Yxy(18.0746, 0.3371, 0.4049)
contains.

Yxy(18.0890, 0.3374, 0.4050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(18.0890, 0.3374, 0.4050)$

Conversions

Conversions Part 1

Format	Color
Hex	6D7B56
RGB	109, 123, 86
RGB Percent	43%, 48%, 34%
CMY	0.5726, 0.5176, 0.6627
CMYK	0.11, 0.00, 0.30, 0.52
HSL	83°, 18%, 41%
HSV	83°, 30%, 48%
XYZ	15.0697, 18.0890, 11.5055
YIQ	114.5960, 3.5330, -14.4750

Conversions

Conversions Part 2

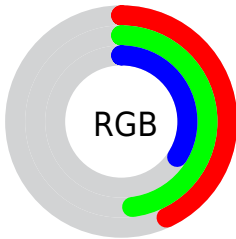
Format	Color
R_{YB}	86, 123, 100
Decimal	7174998
CIE _{Lab}	49.60, -12.16, 18.56
CIE _{LCh}	50, 22.184, 123.228
Yxy	18.0890, 0.3374, 0.4050
Android (android.graphics.Color)	4285365078 (0xFF6D7B56)
YUV	114.5960, -14.0978, -4.9077
Hunter-Lab	42.5312, -11.1832, 13.7327

Details

The Yxy color **18.0890, 0.3374, 0.4050** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.7998, 0.2819, 0.2503**, and the grayscale version is **17.0591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0146, 0.3325, 0.3859**, and **6.0429, 0.3466, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **17.6206, 0.3448, 0.4322**, and if you desaturate by 10%, it is **18.6088, 0.3294, 0.3784**.

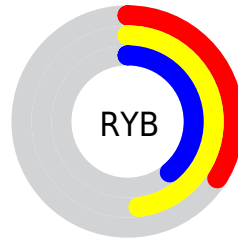
Distribution



Red (43%)

Green (48%)

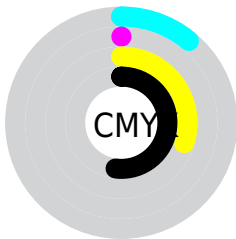
Blue (34%)



Red (34%)

Yellow (48%)

Blue (39%)

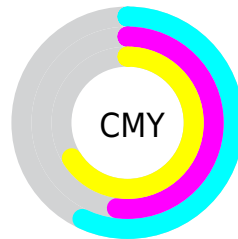


Cyan (11%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (57%)


Magenta (52%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0890, 0.3374, 0.4050 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 18.0890, 0.3374, 0.4050 by changing the saturation by 10% instead.


 18.0890, 0.3374,
0.4050


 18.0890, 0.3374,
0.4050

241.3722, 0.3239,
0.3600


 11.0139, 0.3410,
0.4194


 40.1889, 0.3322,
0.3865


 6.0762, 0.3457,
0.4405

 55.9825, 0.3304,
0.3803

 2.8915, 0.3514,
0.4735

 75.4511, 0.3288,
0.3752

 1.0753, 0.3990,
0.6010

 98.9790, 0.3275,
0.3711

 0.0000, 0.0000,
0.0000

 126.9507, 0.3264,
0.3676

159.7505, 0.3255,

0.3647

197.7629, 0.3246,
0.3622

■ 18.0890, 0.3374,
0.4050

■ 18.0890, 0.3374,
0.4050

■ 17.6206, 0.3448,
0.4322

■ 18.6088, 0.3294,
0.3784

■ 17.1992, 0.3513,
0.4592

■ 19.1795, 0.3211,
0.3530

■ 16.8234, 0.3562,
0.4848

■ 19.8035, 0.3128,
0.3292

■ 16.4910, 0.3594,
0.5080

■ 20.4826, 0.3047,
0.3071

■ 16.1992, 0.3604,
0.5277

■ 21.2183, 0.2969,
0.2870

■ 15.9451, 0.3592,
0.5429

■ 22.0122, 0.2896,
0.2687

■ 15.7203, 0.3565,
0.5551

■ 22.8657, 0.2827,
0.2522

■ 23.7801, 0.2763,
0.2374

■ 24.7568, 0.2704,
0.2241

Harmonies

Analogous

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



18.0890, 0.3745, 0.3993



18.0890, 0.3374, 0.4050



18.0890, 0.2952, 0.3862

Triad

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



18.0890, 0.3374, 0.4050



18.0890, 0.2357, 0.2762



18.0890, 0.3673, 0.3082

Complementary

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



18.0890, 0.3374, 0.4050



10.7998, 0.2819, 0.2503

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.



18.0890, 0.3264, 0.2803



18.0890, 0.3374, 0.4050



18.0890, 0.2518, 0.2614

Square

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



18.0890, 0.3374, 0.4050



18.0890, 0.2383, 0.3073



18.0890, 0.2841, 0.2634



18.0890, 0.3933, 0.3420

Rectangle

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



18.0890, 0.3374, 0.4050



18.0890, 0.2700, 0.3623



18.0890, 0.2841, 0.2634



18.0890, 0.3546, 0.2979

Sweetspot

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



18.0898, 0.3374, 0.4050



34.4347, 0.3204, 0.3509



13.9175, 0.3682, 0.3567



8.0787, 0.3214, 0.3539



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.0898, 0.3374, 0.4050



31.8105, 0.3426, 0.4235



17.0604, 0.3147, 0.4106



4.5617, 0.3202, 0.3505



16.2587, 0.3565, 0.5552



77.0564, 0.3533, 0.5576

Inverse Universe

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



10.7998, 0.2819, 0.2503



16.5636, 0.2732, 0.2303



11.9456, 0.3086, 0.2562



3.9607, 0.3047, 0.3073



2.0913, 0.1843, 0.0789



9.5222, 0.1793, 0.0761

Previews

White Background



This preview shows how the Yxy color 18.0890, 0.3374, 0.4050 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 18.0890, 0.3374, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

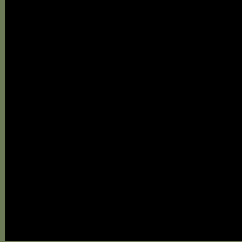
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0890, 0.3374, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 18.0890, 0.3374, 0.4050.



This preview shows how white text looks on a background with the Yxy color 18.0890, 0.3374, 0.4050.

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

18.0890, 0.3374, 0.4050

Protanopia

18.1090, 0.3664, 0.3942

Deuteranopia

18.0038, 0.3811, 0.3746



Tritanopia

18.1340, 0.2987, 0.3117

Trichromacy



Original Color

18.0890, 0.3374, 0.4050

Protanomaly

18.0819, 0.3545, 0.3981

Deuteranomaly

17.9999, 0.3646, 0.3864

Tritanomaly

18.1135, 0.3132, 0.3449

Monochromacy



Original Color

18.0890, 0.3374, 0.4050

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4671, 0.3229, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0890, 0.3374, 0.4050 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(109, 123, 86)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 86)  
}
```

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(109, 123, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 86) }
```

Border

The CSS property to change the border of an element to Yxy 18.0890, 0.3374, 0.4050 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(109, 123, 86) }
```

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

```
.border{ border-color:rgb(109, 123, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 123, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 86);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0890, 0.3374, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 86) }
```

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

```
.background{ background-color: rgb(109,  
123, 86) }
```

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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