

Converting Colors

$Y_{xy}(18.8090, 0.3303, 0.3383)$

Have a look what the booklet for
Yxy(18.8090, 0.3303, 0.3383)
contains.

Yxy(18.7383, 0.3316, 0.3384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.7383, 0.3316, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	807671
RGB	128, 118, 113
RGB Percent	50%, 46%, 44%
CMY	0.4980, 0.5372, 0.5568
CMYK	0.00, 0.08, 0.12, 0.50
HSL	20°, 6%, 47%
HSV	20°, 12%, 50%
XYZ	18.3618, 18.7383, 18.2732
YIQ	120.4200, 7.5650, 0.5650

Conversions

Conversions Part 2

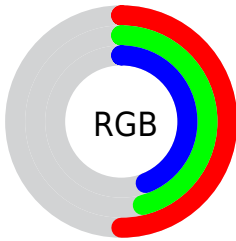
Format	Color
R_{YB}	128, 121, 113
Decimal	8418929
CIE _{Lab}	50.38, 2.92, 4.13
CIE _{LCh}	50, 5.059, 54.700
Yxy	18.7383, 0.3316, 0.3384
Android (android.graphics.Color)	4286609009 (0xFF807671)
YUV	120.4200, -3.6581, 6.6477
Hunter-Lab	43.2878, -0.0376, 5.2732

Details

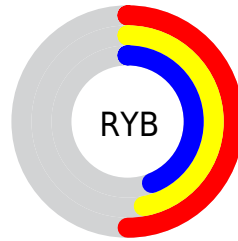
The Yxy color **18.7383, 0.3316, 0.3384** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2376, 0.2954, 0.3194**, and the grayscale version is **18.9347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2898, 0.3271, 0.3358**, and **6.4242, 0.3406, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **16.5504, 0.3507, 0.3469**, and if you desaturate by 10%, it is **21.1506, 0.3153, 0.3303**.

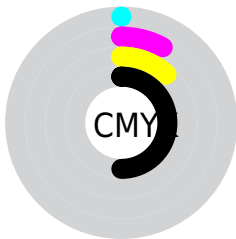
Distribution



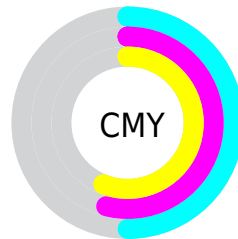
- Red (50%)
- Green (46%)
- Blue (44%)



- Red (50%)
- Yellow (47%)
- Blue (44%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (50%)





- Cyan (50%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7383, 0.3316, 0.3384 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 18.7383, 0.3316, 0.3384 by changing the saturation by 10% instead.


 18.7383, 0.3316,
0.3384


 18.7383, 0.3316,
0.3384


245.0002, 0.3207,
0.3331


 11.4813, 0.3350,
0.3400


 41.2914, 0.3272,
0.3363

 6.3916, 0.3398,
0.3423


 57.3564, 0.3257,
0.3355

 3.0846, 0.3474,
0.3457

 77.1261, 0.3245,
0.3349

 1.1761, 0.3606,
0.3516

 100.9850, 0.3235,
0.3344

 0.0420, 0.7259,
0.2741

129.3174, 0.3226,
0.3340

 0.0000, 0.0000,
0.0000

162.5079, 0.3219,

0.3336

200.9407, 0.3212,
0.3333

■ 18.7383, 0.3316,
0.3384

■ 18.7383, 0.3316,
0.3384

■ 16.5504, 0.3507,
0.3469

■ 21.1506, 0.3153,
0.3303

■ 14.5777, 0.3731,
0.3558

■ 23.7909, 0.3014,
0.3228

■ 12.8145, 0.3988,
0.3645

■ 26.6661, 0.2895,
0.3159

■ 11.2534, 0.4280,
0.3726

■ 29.7818, 0.2793,
0.3096

■ 9.8868, 0.4602,
0.3793

■ 33.1437, 0.2706,
0.3038

■ 8.7066, 0.4942,
0.3836

■ 36.7570, 0.2631,
0.2985

■ 7.7040, 0.5280,
0.3842

■ 40.6270, 0.2566,
0.2936

■ 6.8692, 0.5587,
0.3804

■ 44.7586, 0.2510,
0.2892

■ 6.2911, 0.5825,
0.3757

■ 49.1569, 0.2461,
0.2852

Harmonies

Analogous

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



18.7383, 0.3294, 0.3304



18.7383, 0.3316, 0.3384



18.7383, 0.3286, 0.3441

Triad

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



18.7383, 0.3316, 0.3384



18.7383, 0.3027, 0.3359



18.7383, 0.3039, 0.3128

Complementary

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



18.7383, 0.3316, 0.3384



19.2376, 0.2954, 0.3194

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.



18.7383, 0.2970, 0.3140



18.7383, 0.3316, 0.3384



18.7383, 0.2963, 0.3273

Square

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



18.7383, 0.3316, 0.3384



18.7383, 0.3119, 0.3428



18.7383, 0.2942, 0.3192



18.7383, 0.3133, 0.3158

Rectangle

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



18.7383, 0.3316, 0.3384



18.7383, 0.3242, 0.3457



18.7383, 0.2942, 0.3192



18.7383, 0.3012, 0.3127

Sweetspot

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



18.7391, 0.3316, 0.3384



36.1921, 0.3189, 0.3322



17.8374, 0.3198, 0.3100



8.4062, 0.3200, 0.3327



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.



18.7391, 0.3316, 0.3384



31.9499, 0.3363, 0.3406



20.5136, 0.3300, 0.3517



4.5602, 0.3271, 0.3362



6.2400, 0.5824, 0.3758



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2376, 0.2954, 0.3194



33.0038, 0.2915, 0.3171



17.5041, 0.2952, 0.3053



4.6530, 0.2993, 0.3217



8.0470, 0.1944, 0.2199



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.7383, 0.3316, 0.3384 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 18.7383, 0.3316, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

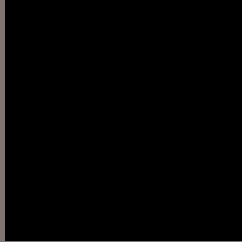
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7383, 0.3316, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 18.7383, 0.3316, 0.3384.



This preview shows how white text looks on a background with the Yxy color 18.7383, 0.3316, 0.3384.

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

18.7383, 0.3316, 0.3384

Protanopia

18.6936, 0.3250, 0.3385

Deuteranopia

18.7514, 0.3400, 0.3346



Tritanopia

18.7173, 0.3199, 0.3126

Trichromacy



Original Color

18.7383, 0.3316, 0.3384

Protanomaly

18.7685, 0.3263, 0.3385

Deuteranomaly

18.8204, 0.3371, 0.3364

Tritanomaly

18.7702, 0.3233, 0.3217

Monochromacy



Original Color

18.7383, 0.3316, 0.3384

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6890, 0.3201, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7383, 0.3316, 0.3384 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(128, 118, 113)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 113)  
}
```

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(128, 118, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 113) }
```

Border

The CSS property to change the border of an element to Yxy 18.7383, 0.3316, 0.3384 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(128, 118, 113) }
```

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

```
.border{ border-color:rgb(128, 118, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 113);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7383, 0.3316, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 113) }
```

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

```
.background{ background-color: rgb(128,  
118, 113) }
```

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