

Converting Colors

$Y_{xy}(18.8296, 0.3229, 0.3409)$

Have a look what the booklet for
Yxy(18.8296, 0.3229, 0.3409)
contains.

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Color

Yxy(18.7854, 0.3223, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	7A7872
RGB	122, 120, 114
RGB Percent	48%, 47%, 45%
CMY	0.5215, 0.5294, 0.5530
CMYK	0.00, 0.02, 0.07, 0.52
HSL	45°, 3%, 46%
HSV	45°, 7%, 48%
XYZ	17.7813, 18.7854, 18.6033
YIQ	119.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

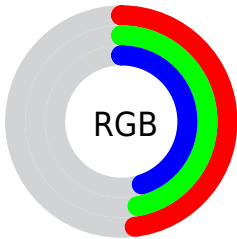
Format	Color
R_{YB}	117, 122, 114
Decimal	8026226
CIE Lab	50.44, -0.39, 3.56
CIE LCh	50, 3.586, 96.312
Yxy	18.7854, 0.3223, 0.3405
Android (android.graphics.Color)	4286216306 (0xFF7A7872)
YUV	119.9140, -2.9156, 1.8294
Hunter-Lab	43.3421, -2.6183, 4.8910

Details

The Yxy color **18.7854, 0.3223, 0.3405** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4749, 0.3031, 0.3172**, and the grayscale version is **18.7632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2569, 0.3196, 0.3373**, and **6.4445, 0.3257, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **17.7992, 0.3379, 0.3586**, and if you desaturate by 10%, it is **19.8340, 0.3080, 0.3232**.

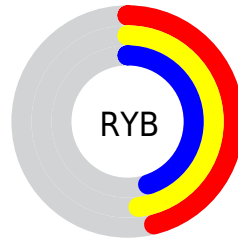
Distribution



Red (48%)

Green (47%)

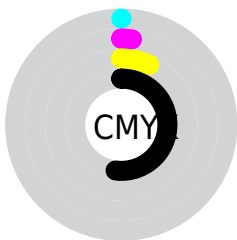
Blue (45%)



Red (46%)

Yellow (48%)

Blue (45%)

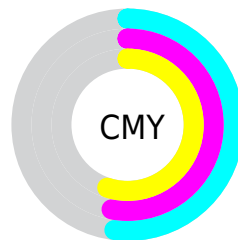


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (52%)



Cyan (52%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7854, 0.3223, 0.3405 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 18.7854, 0.3223, 0.3405 by changing the saturation by 10% instead.

■ 18.7854, 0.3223,
0.3405

■ 18.7854, 0.3223,
0.3405

■ 245.2615, 0.3168,
0.3339

■ 11.5153, 0.3240,
0.3425

■ 41.3712, 0.3201,
0.3378

■ 6.4146, 0.3264,
0.3455

■ 57.4556, 0.3193,
0.3369

■ 3.0988, 0.3302,
0.3500

■ 77.2470, 0.3187,
0.3362

■ 1.1835, 0.3367,
0.3580

■ 101.1297, 0.3182,
0.3356

■ 0.0482, 0.4288,
0.5712

■ 129.4881, 0.3178,
0.3350

■ 0.0000, 0.0000,
0.0000

162.7066, 0.3174,

0.3346

201.1696, 0.3171,
0.3342

■ 18.7854, 0.3223,
0.3405

■ 18.7854, 0.3223,
0.3405

■ 17.7992, 0.3379,
0.3586

■ 19.8340, 0.3080,
0.3232

■ 16.8713, 0.3545,
0.3772

■ 20.9443, 0.2949,
0.3069

■ 16.0008, 0.3721,
0.3958

■ 22.1184, 0.2830,
0.2917

■ 15.1858, 0.3901,
0.4137

■ 23.3579, 0.2724,
0.2777

■ 14.4241, 0.4081,
0.4301

■ 24.6642, 0.2628,
0.2647

■ 13.7137, 0.4253,
0.4441

■ 26.0386, 0.2541,
0.2528

■ 13.0520, 0.4411,
0.4548

■ 27.4824, 0.2464,
0.2420

■ 12.4363, 0.4547,
0.4615

■ 28.9969, 0.2395,
0.2320

■ 11.8612, 0.4661,
0.4642

■ 30.5834, 0.2332,
0.2229

Harmonies

Analogous

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



18.7854, 0.3257, 0.3375



18.7854, 0.3223, 0.3405



18.7854, 0.3164, 0.3404

Triad

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



18.7854, 0.3223, 0.3405



18.7854, 0.3001, 0.3255



18.7854, 0.3158, 0.3211

Complementary

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



18.7854, 0.3223, 0.3405



17.4749, 0.3031, 0.3172

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.



18.7854, 0.3090, 0.3180



18.7854, 0.3223, 0.3405



18.7854, 0.2999, 0.3204

Square

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



18.7854, 0.3223, 0.3405



18.7854, 0.3036, 0.3316



18.7854, 0.3032, 0.3177



18.7854, 0.3219, 0.3264

Rectangle

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



18.7854, 0.3223, 0.3405



18.7854, 0.3118, 0.3385



18.7854, 0.3032, 0.3177



18.7854, 0.3136, 0.3198

Sweetspot

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



18.7862, 0.3223, 0.3405



33.8605, 0.3156, 0.3325



17.4342, 0.3206, 0.3249



7.7487, 0.3154, 0.3323



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.7862, 0.3223, 0.3405



32.7517, 0.3247, 0.3434



19.1428, 0.3196, 0.3444



4.4711, 0.3261, 0.3449



12.2692, 0.4701, 0.4649



57.1165, 0.4734, 0.4623

Inverse Universe

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



17.4749, 0.3031, 0.3172



29.9134, 0.3007, 0.3142



17.1401, 0.3055, 0.3133



4.0425, 0.2994, 0.3125



2.4842, 0.1596, 0.0944



10.6770, 0.1573, 0.0864

Previews

White Background



This preview shows how the Yxy color 18.7854, 0.3223, 0.3405 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 18.7854, 0.3223, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

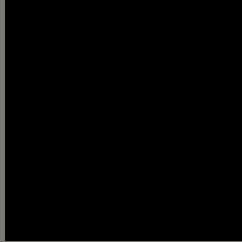
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

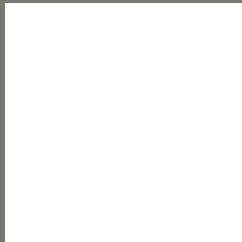
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7854, 0.3223, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 18.7854, 0.3223, 0.3405.

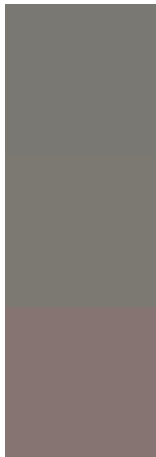


This preview shows how white text looks on a background with the Yxy color 18.7854, 0.3223, 0.3405.

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

18.7854, 0.3223, 0.3405

Protanopia

18.9329, 0.3248, 0.3404

Deuteranopia

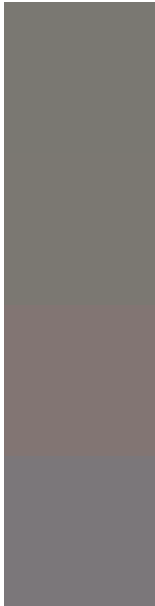
18.7969, 0.3375, 0.3309



Tritanopia

18.7743, 0.3098, 0.3123

Trichromacy



Original Color

18.7854, 0.3223, 0.3405

Protanomaly

18.8588, 0.3235, 0.3404

Deuteranomaly

18.7062, 0.3320, 0.3328

Tritanomaly

18.8097, 0.3142, 0.3234

Monochromacy



Original Color

18.7854, 0.3223, 0.3405

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.8059, 0.3163, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7854, 0.3223, 0.3405 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(122, 120, 114)` looks like.

```
.text, #text, p{  
    color:rgb(122, 120, 114)  
}
```

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(122, 120, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 120, 114) }
```

Border

The CSS property to change the border of an element to Yxy 18.7854, 0.3223, 0.3405 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(122, 120, 114) }
```

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

```
.border{ border-color:rgb(122, 120, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 120, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 120, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 120, 114);  
box-shadow:4px 4px 4px 4px rgb(122, 120,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7854, 0.3223, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 120, 114) }
```

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

```
.background{ background-color: rgb(122,  
120, 114) }
```

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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