

Converting Colors

$Y_{xy}(17.8577, 0.3418, 0.3429)$

Have a look what the booklet for
Yxy(17.8577, 0.3418, 0.3429)
contains.

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Color

Yxy(17.7633, 0.3416, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	81726B
RGB	129, 114, 107
RGB Percent	51%, 45%, 42%
CMY	0.4940, 0.5530, 0.5804
CMYK	0.00, 0.12, 0.17, 0.49
HSL	19°, 9%, 46%
HSV	19°, 17%, 51%
XYZ	17.7270, 17.7633, 16.4037
YIQ	117.6870, 11.1870, 1.0030

Conversions

Conversions Part 2

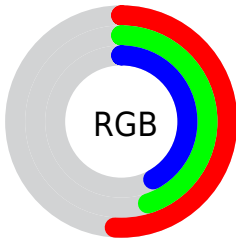
Format	Color
R_{YB}	129, 117, 107
Decimal	8483435
CIE _{Lab}	49.21, 4.60, 6.01
CIE _{LCh}	49, 7.569, 52.527
Yxy	17.7633, 0.3416, 0.3423
Android (android.graphics.Color)	4286673515 (0xFF81726B)
YUV	117.6870, -5.2687, 9.9215
Hunter-Lab	42.1465, 1.3213, 6.4266

Details

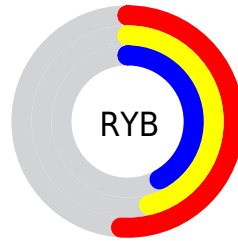
The Yxy color **17.7633, 0.3416, 0.3423** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6371, 0.2875, 0.3153**, and the grayscale version is **18.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6861, 0.3349, 0.3400**, and **5.9281, 0.3551, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **15.6211, 0.3626, 0.3506**, and if you desaturate by 10%, it is **20.1388, 0.3237, 0.3343**.

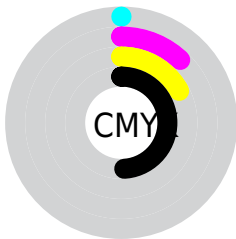
Distribution



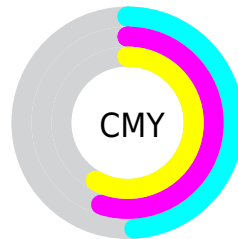
- Red (51%)
- Green (45%)
- Blue (42%)



- Red (51%)
- Yellow (46%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (17%)
- Black (49%)





- Cyan (49%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7633, 0.3416, 0.3423 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 17.7633, 0.3416, 0.3423 by changing the saturation by 10% instead.


 17.7633, 0.3416,
0.3423


 17.7633, 0.3416,
0.3423


239.5335, 0.3248,
0.3347


 10.7802, 0.3469,
0.3446


 39.6336, 0.3348,
0.3393


 5.9192, 0.3545,
0.3478

 55.2895, 0.3324,
0.3382

 2.7960, 0.3666,
0.3526

 74.6052, 0.3305,
0.3374

 1.0262, 0.3916,
0.3638

 97.9650, 0.3290,
0.3367

 0.0000, 1.0000,
0.0000

125.7534, 0.3277,
0.3361

 0.0000, 0.0000,
0.0000

158.3546, 0.3266,

0.3356

196.1532, 0.3256,
0.3351

■ 17.7633, 0.3416,
0.3423

■ 17.7633, 0.3416,
0.3423

■ 15.6211, 0.3626,
0.3506

■ 20.1388, 0.3237,
0.3343

■ 13.7027, 0.3870,
0.3591

■ 22.7520, 0.3085,
0.3269

■ 12.0013, 0.4150,
0.3672

■ 25.6104, 0.2956,
0.3200

■ 10.5089, 0.4465,
0.3743

■ 28.7201, 0.2846,
0.3136

■ 9.2171, 0.4805,
0.3795

■ 32.0873, 0.2752,
0.3078

■ 8.1166, 0.5155,
0.3816

■ 35.7178, 0.2671,
0.3025

■ 7.1976, 0.5486,
0.3797

■ 39.6172, 0.2602,
0.2977

■ 6.4464, 0.5780,
0.3740

■ 43.7910, 0.2542,
0.2933

■ 6.2539, 0.5866,
0.3725

■ 48.2445, 0.2489,
0.2893

Harmonies

Analogous

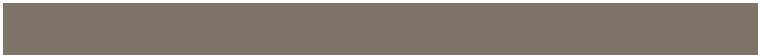
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.7633, 0.3377, 0.3300



17.7633, 0.3416, 0.3423



17.7633, 0.3375, 0.3514

Triad

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



17.7633, 0.3416, 0.3423



17.7633, 0.2984, 0.3405



17.7633, 0.2984, 0.3044

Complementary

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



17.7633, 0.3416, 0.3423



18.6371, 0.2875, 0.3153

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.



17.7633, 0.2883, 0.3065



17.7633, 0.3416, 0.3423



17.7633, 0.2883, 0.3272

Square

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



17.7633, 0.3416, 0.3423



17.7633, 0.3124, 0.3507



17.7633, 0.2847, 0.3147



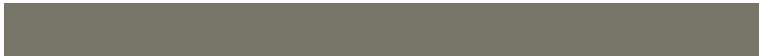
17.7633, 0.3125, 0.3086

Rectangle

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



17.7633, 0.3416, 0.3423



17.7633, 0.3310, 0.3544



17.7633, 0.2847, 0.3147



17.7633, 0.2944, 0.3044

Sweetspot

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



17.7641, 0.3416, 0.3423



36.9296, 0.3205, 0.3328



16.5905, 0.3235, 0.3010



8.2988, 0.3215, 0.3333



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.



17.7641, 0.3416, 0.3423



30.4495, 0.3484, 0.3451



20.3942, 0.3384, 0.3624



4.5500, 0.3271, 0.3359



6.1022, 0.5864, 0.3726



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.6371, 0.2875, 0.3153



32.2794, 0.2824, 0.3123



16.0882, 0.2865, 0.2933



4.6636, 0.2993, 0.3220



8.3614, 0.1959, 0.2253



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7633, 0.3416, 0.3423 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 17.7633, 0.3416, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

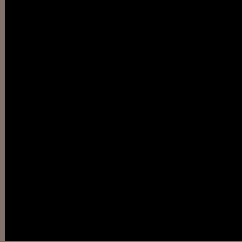
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7633, 0.3416, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 17.7633, 0.3416, 0.3423.

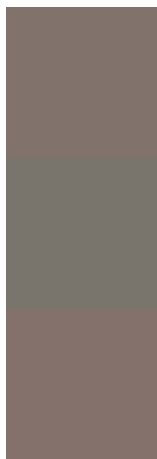


This preview shows how white text looks on a background with the Yxy color 17.7633, 0.3416, 0.3423.

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

17.7633, 0.3416, 0.3423

Protanopia

17.8702, 0.3288, 0.3465

Deuteranopia

17.7773, 0.3460, 0.3403



Tritanopia

17.7941, 0.3267, 0.3125

Trichromacy



Original Color

17.7633, 0.3416, 0.3423

Protanomaly

17.8586, 0.3330, 0.3444

Deuteranomaly

17.6971, 0.3446, 0.3403

Tritanomaly

17.8170, 0.3316, 0.3235

Monochromacy



Original Color

17.7633, 0.3416, 0.3423

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0751, 0.3227, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7633, 0.3416, 0.3423 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(129, 114, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 114, 107)  
}
```

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(129, 114, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 114, 107) }
```

Border

The CSS property to change the border of an element to Yxy 17.7633, 0.3416, 0.3423 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(129, 114, 107) }
```

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

```
.border{ border-color:rgb(129, 114, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 114, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 114, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 114, 107);  
box-shadow:4px 4px 4px 4px rgb(129, 114,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7633, 0.3416, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 114, 107) }
```

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

```
.background{ background-color: rgb(129,  
114, 107) }
```

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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