

Converting Colors

$Y_{xy}(19.9249, 0.3423, 0.3405)$

Have a look what the booklet for
Yxy(19.9249, 0.3423, 0.3405)
contains.

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Color

Yxy(19.9662, 0.3416, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	897872
RGB	137, 120, 114
RGB Percent	54%, 47%, 45%
CMY	0.4627, 0.5294, 0.5529
CMYK	0.00, 0.12, 0.17, 0.46
HSL	16°, 9%, 49%
HSV	16°, 17%, 54%
XYZ	20.0720, 19.9662, 18.7205
YIQ	124.3990, 12.0580, 1.7380

Conversions

Conversions Part 2

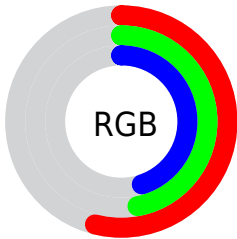
Format	Color
R_{YB}	137, 122, 114
Decimal	9009266
CIE Lab	51.80, 5.51, 5.68
CIE LCh	52, 7.919, 45.864
Yxy	19.9662, 0.3416, 0.3398
Android (android.graphics.Color)	4287199346 (0xFF897872)
YUV	124.3990, -5.1267, 11.0511
Hunter-Lab	44.6836, 1.9864, 6.4385

Details

The Yxy color **19.9662, 0.3416, 0.3398** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.6248, 0.2878, 0.3179**, and the grayscale version is **20.3115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3346, 0.3353, 0.3369**, and **7.0543, 0.3541, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **17.3676, 0.3632, 0.3467**, and if you desaturate by 10%, it is **22.8715, 0.3234, 0.3332**.

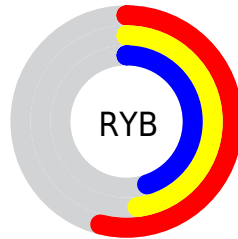
Distribution



Red (54%)

Green (47%)

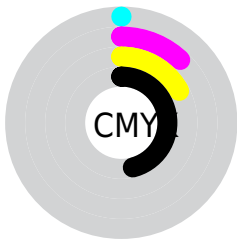
Blue (45%)



Red (54%)

Yellow (48%)

Blue (45%)

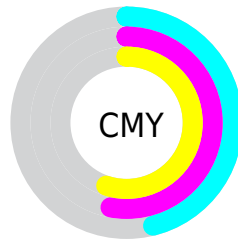


Cyan (0%)

Magenta (12%)

Yellow (17%)

Black (46%)



Cyan (46%)


Magenta (53%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9662, 0.3416, 0.3398 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 19.9662, 0.3416, 0.3398 by changing the saturation by 10% instead.


 19.9662, 0.3416,
0.3398


 19.9662, 0.3416,
0.3398


251.7321, 0.3250,
0.3338


 12.3705, 0.3467,
0.3415


 43.3605, 0.3350,
0.3375


 6.9965, 0.3538,
0.3439


 59.9279, 0.3327,
0.3366

 3.4599, 0.3649,
0.3474

 80.2546, 0.3308,
0.3359

 1.3763, 0.3839,
0.3529

 104.7250, 0.3293,
0.3354

 0.1992, 0.6193,
0.3807

133.7236, 0.3280,
0.3349

 0.0000, 0.0000,
0.0000

167.6347, 0.3268,

0.3345

206.8427, 0.3259,
0.3341

■ 19.9662, 0.3416,
0.3398

■ 19.9662, 0.3416,
0.3398

■ 17.3676, 0.3632,
0.3467

■ 22.8715, 0.3234,
0.3332

■ 15.0629, 0.3887,
0.3537

■ 26.0903, 0.3081,
0.3271

■ 13.0424, 0.4183,
0.3604

■ 29.6328, 0.2952,
0.3214

■ 11.2947, 0.4519,
0.3661

■ 33.5076, 0.2843,
0.3162

■ 9.8079, 0.4886,
0.3701

■ 37.7233, 0.2751,
0.3115

■ 8.5689, 0.5263,
0.3712

■ 42.2880, 0.2673,
0.3072

■ 7.5635, 0.5618,
0.3686

■ 47.2095, 0.2606,
0.3033

■ 6.7738, 0.5920,
0.3624

■ 52.4954, 0.2548,
0.2997

■ 6.5595, 0.6014,
0.3607

■ 58.1532, 0.2498,
0.2964

Harmonies

Analogous

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



19.9662, 0.3360, 0.3272



19.9662, 0.3416, 0.3398



19.9662, 0.3393, 0.3500

Triad

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



19.9662, 0.3416, 0.3398



19.9662, 0.3012, 0.3433



19.9662, 0.2956, 0.3042

Complementary

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



19.9662, 0.3416, 0.3398



21.6248, 0.2878, 0.3179

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.



19.9662, 0.2867, 0.3077



19.9662, 0.3416, 0.3398



19.9662, 0.2899, 0.3302

Square

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



19.9662, 0.3416, 0.3398



19.9662, 0.3157, 0.3524



19.9662, 0.2847, 0.3171



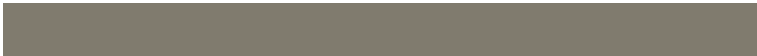
19.9662, 0.3092, 0.3070

Rectangle

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



19.9662, 0.3416, 0.3398



19.9662, 0.3336, 0.3539



19.9662, 0.2847, 0.3171



19.9662, 0.2920, 0.3046

Sweetspot

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



19.9671, 0.3416, 0.3398



41.8763, 0.3206, 0.3322



19.0034, 0.3215, 0.2987



9.3172, 0.3216, 0.3325



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.9671, 0.3416, 0.3398



33.9864, 0.3491, 0.3423



22.8371, 0.3385, 0.3594



5.2465, 0.3274, 0.3347



6.1268, 0.6009, 0.3611



0.0617, 0.5296, 0.4177

Inverse Universe

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



21.6248, 0.2878, 0.3179



37.5111, 0.2825, 0.3153



18.7615, 0.2869, 0.2967



5.4721, 0.2991, 0.3232



10.4368, 0.2014, 0.2448



0.0931, 0.2135, 0.2884

Previews

White Background



This preview shows how the Yxy color 19.9662, 0.3416, 0.3398 looks on a white background.

Color Contrast Check

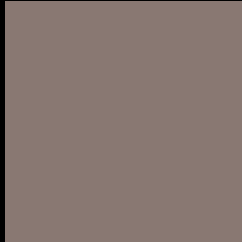
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9662, 0.3416, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

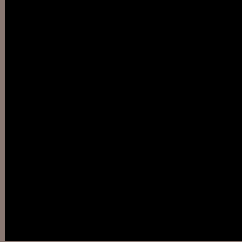
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9662, 0.3416, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 19.9662, 0.3416, 0.3398.



This preview shows how white text looks on a background with the Yxy color 19.9662, 0.3416, 0.3398.

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

19.9662, 0.3416, 0.3398

Protanopia

20.0161, 0.3270, 0.3420

Deuteranopia

19.8975, 0.3445, 0.3380



Tritanopia

19.9781, 0.3287, 0.3133

Trichromacy



Original Color

19.9662, 0.3416, 0.3398

Protanomaly

19.9822, 0.3322, 0.3419

Deuteranomaly

19.8118, 0.3432, 0.3380

Tritanomaly

20.0021, 0.3333, 0.3238

Monochromacy



Original Color

19.9662, 0.3416, 0.3398

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1891, 0.3235, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9662, 0.3416, 0.3398 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(137, 120, 114)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 120, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 120, 114) }
```

Border

The CSS property to change the border of an element to Yxy 19.9662, 0.3416, 0.3398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

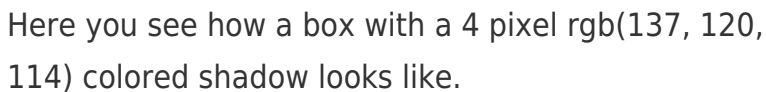
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 120, 114) }
```

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

```
.border{ border-color:rgb(137, 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(137, 120, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 120, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 120, 114);  
box-shadow:4px 4px 4px 4px rgb(137, 120,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9662, 0.3416, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 120, 114) }
```

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

```
.background{ background-color: rgb(137,  
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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